CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Hydro-electric plant, Clarks Hill, S. C., Savanah River Electric Power Co. making plans, $20,000,000.

Office and theatre, Philadelphia, Pa., Fox Film Corp. having preliminary plans prepared, $5,000,000.

Bridge, Seattle, Wash., making preliminary plans, $3,250,000.

Schools, Los Angeles, Calif., State voted bonds, $3,000,000.

Bridge, Vancouver, B. C., city making preliminary plans, $3,000,000.

High schools, New York, N. Y., Bd. Educ. having plans prepared, $3,000,000.

Art museum, Omaha, Neb., G. Joslyn having plans prepared, $2,500,000.

Foundation, Cleveland, O., Cleveland Club soon lets contracts, $2,000,000.

Apartment, Chicago, Ill., McNally, Quinn & Co. soon takes bids, $1,500,000.

Dormitory, stadium and college, Rochester, N. Y., University of Rochester having plans prepared, $1,500,000.

Club-hotel, San Francisco, N. Y., Edgewater Beach Club having plans prepared, $1,000,000.

Church, parish house and rectory, Cleveland Heights, O., St. Pauls Episcopal Church having plans prepared, $1,000,000.

Reservoir, dam, etc., Syracuse, N. Y., city making plans, $1,000,000.

Refinery, Wilmington, Calif., Shell Oil Co. making plans for first unit, $1,000,000.

Bids Desired

Bridge, Cape Girardeau, Mo., Cape Girardeau Bridge Co. takes bids in 60 days, $1,600,000.

Theatre and office, Sioux City, Ia., Dec. 1 by Francis Building Co., $1,500,000.

Apartment, Chicago, Ill., Rissman & Hirshfeld, archts. taking bids, $1,000,000.

Contracts

Club, Chicago, Ill., K. M. Vitzthum & Co. to Duffy-Noonan Constr. Co., $4,000,000.

Store and office, Los Angeles, Calif., Title Insurance & Trust Co. to Scoffield Eng. Constr. Co., $2,250,000.

Sewer and drainage system, Portland, Ore., to J. F. Shea Co., $2,191,090.

Theatre, Los Angeles, Calif., Warner Bros. to Lange & Bergstrom, $2,000,000.

Hotel, Chicago, Ill., Thirteen Hundred and One North State Street Building Corp. to B. W. Constr. Co., $2,000,000.

Wholesale Grocery plant, Somerville, Mass., First Natl. Stores Inc., to F. T. Ley & Co., $2,000,000.

Theatre, San Francisco, Calif., Capitol Co., structural steel contract to U. S. Steel Products Co., $1,650,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Nov. 22	Eagle River, Wis.	Nov. 18
Nov. 22	Boston, Mass.	Nov. 18
Nov. 23	St. George, N. Y.	Nov. 18
Nov. 23	Kernesville, N. C.	Oct. 28
Nov. 24	Cleveland, O.	Nov. 18
Nov. 24	Chicago, Ill.	Nov. 18
Dec. 2	Sacramento, Calif.	Nov. 18
Dec. 6	Delano, Calif.	Nov. 18
Dec. 7	Spartanburg, S. C. Adv. Nov. 18.	Nov. 18
Dec. 7	St. Louis, Mo.	Nov. 11
Dec. 10	Hawthorne, N. J. Adv. Nov. 18.	Nov. 18
Dec. 14	St. Louis, Mo.	Nov. 11
Dec. 20	New Orleans, La. Adv. Oct. 21 to Nov. 18.	Oct. 21
Dec. 23	Waukegan, Ill.	Nov. 18

Sewers

Nov. 22	New York, N. Y.	Nov. 18
Nov. 22	Birmingham, Mich.	Nov. 18
Nov. 23	Jefferson City, Mo.	Nov. 18
Nov. 23	Grinnell, Ia.	Nov. 18
Nov. 23	Cranford, N. J.	Nov. 18
Nov. 23	Boston, Mass.	Nov. 18
Nov. 24	Boston, Mass.	Nov. 18
Nov. 24	Phila., Pa.	Nov. 18
Nov. 24	Cleveland, O.	Nov. 18
Nov. 25	Birmingham, Ala.	Nov. 11
Nov. 29	Jamestown, N. Y.	Nov. 11
Nov. 30	Montgomery, Minn.	Nov. 11
Dec. 2	Mamaroneck, N .Y	Nov. 18
Dec. 8	Detroit, Mich.	Nov. 18
Dec. 10	Louisville, Ky.	Nov. 11

Waste Disposal

Dec. 8	Ardmore, Pa. Adv. Nov. 18.	Nov. 18

Bridges

Nov. 19	Wash., D. C.	Nov. 18
Nov. 23	Clearwater, Fla.	Nov. 4
Nov. 23	Iowa	Nov. 18
Nov. 23	Orion, Mich.	Nov. 18
Nov. 24	Iola, Kan.	Nov. 11
Nov. 24	Mount Vernon, N. Y. Adv. Nov. 11 and 18.	Nov. 11
Nov. 24	Georgia	Nov. 18
Nov. 30	Phila., Pa. Adv. Nov. 11 and 18.	Nov. 11
Nov. 30	Forestport, N. Y. Adv. Nov. 18.	Nov. 18
Dec. 1	White Plains, N. Y. Adv. Nov. 11 and 18.	Nov. 18
Dec. 1	Delaware	Nov. 11
Dec. 7	Dayton, O.	Nov. 18
Dec. 8	White Plains, N. Y. Adv. Nov. 11 and 18.	Nov. 18
Dec. 8	Deschambault, Que.	Nov. 11

Excavation, Drainage, Irrigation, Levees, River and Harbor

Bids close		*See Eng. News-Record*
Dec. 6	Cotulla, Tex	Nov. 11
Dec. 7	Bay St. Louis, Miss. Adv. Nov. 4 to 18.	Nov. 11
Dec. 12	Louisiana	Nov. 18

Streets and Roads

Nov. 19	Cincinnati, O.	Nov. 18
Nov. 19	Boston, Mass.	Nov. 18
Nov. 22	Olathe, Kan.	Oct. 28
Nov. 22	Eddyville, Kan.	Oct. 28
Nov. 22	Crown Point, Ind.	Nov. 11
Nov. 22	Keansburg, N. J. Adv. Nov. 11 and 18.	Nov. 11
Nov. 22	Evansville, Ind.	Nov. 11
Nov. 22	New Jersey	Nov. 11
Nov. 22	Olathe, Kan.	Nov. 4
Nov. 22	Buffalo, N. Y.	Nov. 18
Nov. 22	Madill, Okla.	Nov. 18
Nov. 22	West Seneca (mail Buffalo), N. Y.	Nov. 18
Nov. 23	Florida	Nov. 4
Nov. 23	Fort Scott, Kan.	Oct. 28
Nov. 23	Boston, Mass.	Nov. 11
Nov. 23	Peru, Ind.	Nov. 11
Nov. 23	Greenfield, Ia.	Nov. 18
Nov. 23	Chicago, Ill.	Nov. 18
Nov. 23	Phila., Pa.	Nov. 18
Nov. 24	Brooklyn, N. Y.	Nov. 18
Nov. 24	Baltimore, Md.	Nov. 18
Nov. 24	Winterset, Ia.	Nov. 18
Nov. 24	Oakland, Calif.	Nov. 18
Nov. 24	Brownsville, Pa.	Nov. 18
Nov. 24	Rhode Island Adv. Nov. 18.	Nov. 18
Nov. 24	Georgia	Nov. 18
Nov. 25	Birmingham, Ala.	Nov. 11
Nov. 26	McPherson, Kan.	Nov. 11
Nov. 26	Red Oak, Ia.	Nov. 18
Nov. 26	Colorado	Nov. 18
Nov. 29	Evansville, Ind.	Nov. 11
Nov. 29	Los Angeles, Calif.	Nov. 18
Nov. 29	San Diego, Calif.	Nov. 18
Nov. 30	St. Louis, Mo.	Nov. 11
Nov. 30	Minnesota	Nov. 11
Nov. 30	Columbus, O.	Nov. 11
Dec. 2	Smith Center, Kan.	Nov. 18
Dec. 4	Idaho	Nov. 18
Dec. 6	Santa Barbara, Calif.	Nov. 18
Dec. 6	Martinez, Calif.	Nov. 18
Dec. 7	Pennsylvania Adv. Nov. 18.	Nov. 18
Dec. 17	Tennessee	Nov, 4
Jan. 7	Kentucky	Nov. 11

Buildings—Commercial

Bids close		*See Eng. News-Record*
Nov. 19	Perth Amboy, N. J.	Nov. 11
Nov. 20	Ft. Wayne, Ind.	Nov. 11
Nov. 20	Detroit, Mich.	Nov. 11
Nov. 20	Cleveland, O.	Nov. 18
Nov. 22	Phila., Pa.	Nov. 18
Nov. 23	Oshkosh, Wis.	Nov. 18
Nov. 23	Pittsburgh, Pa.	Nov. 18
Nov. 24	Milwaukee, Wis.	Nov. 18
Nov. 24	Lafayette, La.	Nov. 4
Nov. 29	Cedar Rapids, Ia.	Nov. 11
Nov. 29	Cedar Rapids, Ia.	Nov. 18
Nov. 29	Stockton, Calif.	Nov. 18
Nov. 30	Ossining, N. Y.	Nov. 11
Nov. 30	Riverside, Calif.	Nov. 18
Dec. 2	Atlantic City, N. J.	Nov. 18
Dec. 6	Milwaukee, Wis.	Nov. 11
Dec. 15	New York, N. Y. Adv. Nov. 4 to 18.	Nov. 4
Jan. 1	Wash., D. C.	Oct. 7

Buildings—Industrial

Nov. 22	Pittsburgh, Pa.	Nov. 18
Nov. 23	Phila., Pa.	Nov. 18
Nov. 24	Sacramento, Calif.	Nov. 18
Jan. 1	Salem, O.	Sept. 30

Buildings—Educational, Religious

Nov. 20	Indiana, Pa.	Nov. 11
Nov. 22	Cleveland, O.	Nov. 4
Nov. 22	White Plains, N. Y.	Nov. 18
Nov. 22	Wilkinsburg, Pa.	Nov. 18
Nov. 24	West Roxbury (Boston P. O.), Mass.	Nov. 18
Nov. 26	Union City, N. J.	Nov. 18
Nov. 27	Aberdeen, S. D.	Nov. 11
Nov. 29	Rocky River, O.	Nov. 4
Nov. 29	Adrian, Mich.	Nov. 11
Nov. 29	Macon, Ga.	Nov. 18
Nov. 30	San Francisco, Calif.	Nov. 18
Dec. 1	Indianapolis, Ind.	Oct. 21
Dec. 1	Duluth, Minn.	Oct. 21
Dec. 1	Belleville, Ont.	Nov. 11
Dec. 1	Hyde Park (br. Boston), Mass.	Nov. 18
Dec. 6	Seattle, Wash.	Nov. 18
Dec. 15	Tulsa, Okla.	Nov. 18
Jan. 1	Wash., D. C.	Oct. 7
Jan. 3	L'Anse, Mich.	Nov. 11
Feb. 1	Wash., D. C.	Oct. 7

Federal Government Work

Nov. 20	Dredging—Massachusetts.	Oct. 21
Nov. 22	Remodeling—St. Joseph, Mo.	Nov. 11
Nov. 23	Post Office—Montclair, N. J. Adv. Nov. 11 and 18.	Nov. 11
Nov. 23	Pump House—Dayton, O.	Nov. 18

See proposal advertising on page 146

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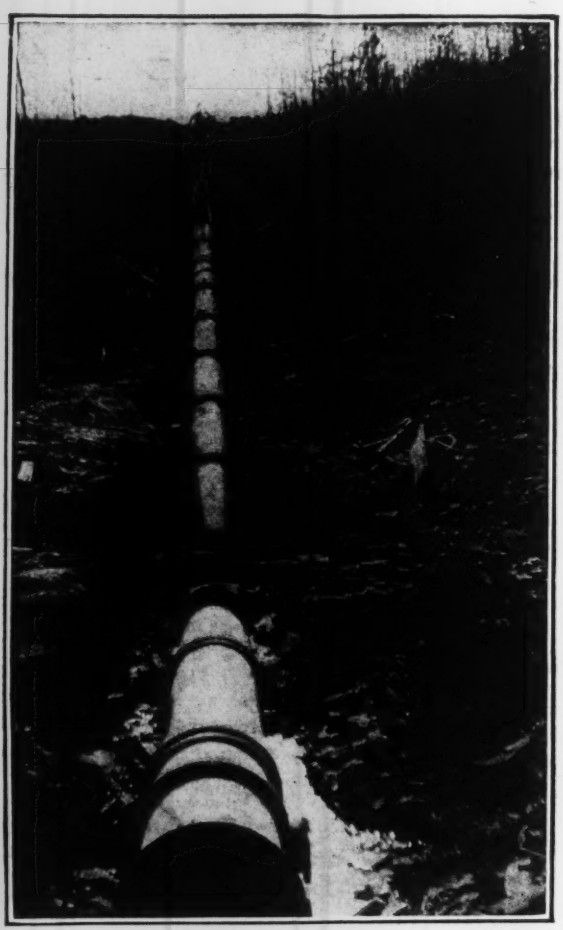
TRADE "LEADITE" MARK
Registered U. S. Pat. Office



Section of 9 miles 30-in. and 36-in. pipe laid with LEADITE

LEADITE, like cast-iron pipe, has proven its durability.

LEADITE has been successfully tested and used for over 30 years for jointing all sizes of cast-iron bell and spigot water mains from 4 in. to 60 in. in diameter, under all pressures and conditions encountered in water-works construction.

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Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close	See Eng. News-Record
Nov. 24	Boiler House, etc.—Wash., D. C. ..... Nov. 18
Nov. 24	Boilers—Mare Island, Calif. ..... Nov. 18
Nov. 24	Engine, etc.—Cincinnati, O. Nov. 11 Adv. Nov. 11 and 18.
Nov. 26	Metal Work—Louisville, Ky. ..... Oct. 28 Adv. Oct. 28 to Nov. 18.
Nov. 26	Remodeling—Americus, Ga. Nov. 11
Nov. 26	Gate Hoists, etc.—Denver, Colo. ..... Nov. 18
Nov. 29	Switching Towers—Denver, Colo. ..... Nov. 18
Nov. 29	Post Office—Montevideo, Minn. ..... Nov. 11
Nov. 30	Powerhouses—Louisville, Ky. ..... Nov. 4 Adv. Nov. 4 to 18.
Nov. 30	Refrigerating Plant—Camp Custer (br. Battle Creek), Mich. ..... Nov. 11
Nov. 30	Post Office—Central City, Neb. ..... Nov. 11
Nov. 30	Remodeling—Annapolis, Md. ..... Nov. 11
Nov. 30	Post Office—Caribou, Me. Nov. 18 Adv. Nov. 11 and 18.
Dec. 1	Dredging—Hilo, T. H. .... Nov. 18 Adv. Nov. 11 and 18.
Dec. 1	Storehouse—Anacostia, D. C. ..... Nov. 18
Dec. 2	Post Office—Newburyport, Mass. ..... Nov. 18
Dec. 3	Post Office—Southbridge, Mass. ..... Nov. 18 Adv. Nov. 18.
Dec. 3	Enlarging—Mishawaka, Ind. ..... Nov. 18 Adv. Nov. 18.
Dec. 4	Removing Dredge—New Jersey ..... Nov. 11 Adv. Nov. 11 and 18.
Dec. 6	Unwatering Lock Chamber —Louisville, Ky. ..... Nov. 11 Adv. Nov. 11 and 18.
Dec. 6	Pump—Jacksonville, Fla. .. Nov. 11 Adv. Nov. 11 and 18.
Dec. 7	Additional Story—Birmingham, Ala. ..... Nov. 18 Adv. Nov. 18.
Dec. 7	Post Office—Branford, Conn. ..... Nov. 18
Dec. 8	Repairs—Port Aransas, Tex. ..... Nov. 18
Dec. 10	Dwellings—Edgewood, Md. Nov. 18 Adv. Nov. 18.
Dec. 11	Pumping Units—Wash., D. C. ..... Nov. 18 Adv. Nov. 18.
Dec. 15	Road—California ..... Oct. 28
Dec. 28	Canal—Easton, Wash. ..... Nov. 18 Adv. Nov. 18.

Unclassified

Bids close	See Eng. News-Record
Nov. 19	Subsidiary Pipes—New York, N. Y. ..... Nov. 11
Nov. 22	Air Conditioning and Refrigerating Plant—San Antonio, Tex. ..... Nov. 11
Nov. 23	Subway—Buffalo, N. Y. .... Nov. 18
Nov. 23	Electrical Work—New York, N. Y. ..... Nov. 18
Nov. 26	Subway—New York, N. Y. .. Nov. 11
Nov. 30	Refrigeration Work—Ossining, N. Y. ..... Nov. 11
Dec. 1	Aviary—Wash., D. C. ..... Oct. 7
Dec. 8	Refrigerating Plant—Middletown, N. Y. ..... Nov. 18 Adv. Nov. 18.
Dec. 9	Lighting System—Oakland, Calif. ..... Nov. 18
Dec. 10	Siphon—Oakland, Calif. .. Nov. 11
Dec. 15	Wharf—Nassau, Bahamas. Nov. 18 Adv. Nov. 18.

Materials

Bids close	See Eng. News-Record
Nov. 22	Creosoted Blocks—Chicago, Ill. ..... Nov. 18
Nov. 22	Hydrant Valves—Chicago, Ill. ..... Nov. 18
Nov. 22	Structural Steel, etc.—Phila., Pa. ..... Nov. 18
Nov. 22	Frogs, etc.—Phila., Pa. .... Nov. 18
Nov. 22	Timber—Montreal, Que. .... Nov. 18
Nov. 24	Track Materials—San Francisco, Calif. ..... Nov. 18
Nov. 26	Girder Rail Crossings—Phila., Pa. ..... Nov. 18
Nov. 29	Frogs, Switch Points, etc.— Phila., Pa. ..... Nov. 18
Nov. 30	Lumber, etc.—Indianola, Ia. ..... Nov. 18
Dec. 7	Bridge Timber—Audubon, Ia. ..... Nov. 18
Dec. 14	Cable, etc.—Wellington, New Zealand ..... Nov. 18

News of New Work

Waterworks

Proposed Work

Mass., Somerset — Town, O. J. Eagen, chn., making preliminary sketches new water supply. To exceed $150,000. F. A. Barbour, 1119 Tremont Bldg., Boston, engr.

N. Y., Syracuse—Made surveys 6 mi. 30 in. c.i. mains for 2nd Sect. of 3rd conduit from Skaneateles Lake. N. F. Pitts, Jr., City Hall, city engr.

N. Y., Syracuse—Plans storage reservoir, dam, etc. $1,000,000. N. F. Pitts, Jr., city engr.

N. J., Perth Amboy—Plans waterworks extensions and improvements. $90,000. P. P. Costellom, city clk.

Va., Front Royal—Voted $100,000 bonds, waterworks extensions and reservoir. A. Williamson & Son, Richmond, engrs. Noted Nov. 11.

Va., Westhampton (mail Richmond)—Voted $400,000 bonds, waterworks and sewerage system. Noted Nov. 11.

N. C., Burlington — Plans enlarging waterworks and constructing 30 ft. dam on Stony Creek.

Tenn., Lenoir City—Plans relaying and enlarging river intake, incl. 1,200 ft. 16 in. c.i. pipe, filters, etc. Sehorn & Kennedy Co., 302 West Church St., Knoxville, engrs.

O., Crooksville — Voted $96,000 bonds, waterworks. Noted Oct. 14.

Mich., Detroit—Dept. Water Supply made plans 21,871 ft. 6- to 16-in. mains in Vaughan, Edinborough, Curtis, Heyden, Plainview, Westmoreland, Annchester and Shaftsbury Aves., Six Mile and Evergreen Rds. G. H. Fenkell, 176 East Jefferson Ave., engr.

Mich., Detroit — Dept. Water Supply making plans extending 13,530 ft. 8- to 16-in. c.i. mains in various streets. G. H. Fenkell, 176 East Jefferson Ave., engr.

Wis., Waunakee—M. Helt, city clk., making plans elevated steel tank, 12,000 ft. each c.i. water and vitr. or concrete sewers in various streets, also septic tank. To exceed $15,000. E. B. Parsons, engr.

Minn., St. Paul—Voted $500,000 bonds, improving waterworks. G. M. Shepard, city engr. Noted Oct. 21.

Kan., Wellsville — Voted $30,000 bonds, waterworks. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs. Noted Oct. 7.

S. D., Huron—Defeated $150,000 bonds, sewage disposal plant. M. F. Walt, city aud. Noted Sept. 30 under "Waterworks."

Mont., Hysham — Making plans waterworks, incl. approximately 7,500 lin.ft. 8 in. wood pipe, pumping plant, etc. $15,000. R. H. Fifield, Hysham, engr.

Mont., Sunburst — Constructing waterworks, to E. Lindstrom, Sunburst, $56,247.

Mo., Chaffee—City Clerk takes bids about Jan. 15, pumping equipment (type, size, etc. depending on well just awarded) and 22,900 ft. 4 in. c.i. mains, fire hydrants, also 19,200 ft. 8 and 10 in. vitr. clay sewers, etc. in various streets. C. E. Smith & Co., Railway Exch. Bldg., St. Louis, engrs. Noted Oct. 28.

Mo., Oregon—Soon takes bids approximately 8,000 ft. 6 in. c.i. mains, etc. in various streets. Leslie Eng. & Constr. Co., 820½ Felix St., St. Joseph, engrs.

Tex., San Antonio—See "Unclassified."

Okla., Antlers—Voted $23,000 bonds waterworks. Noted Mar. 11.

Okla., Chelsea—Making plans impounding reservoir, dam, pipe line and filter plant. $110,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Shawnee—Election Nov. 24, $265,000 bonds, new well water supply and pipe lines, incl. 7 deep well pumps and motors, 27,000 ft. 18 in. c.i. mains, etc. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Sept. 16.

Okla., Webb City—Takes bids after Nov. 25, new waterworks. $55,000. Address H. Ashby, city clk.

Calif., Eureka — Plans to purchase centrifugal pump delivering 300,000 gal. per 24 hrs. against head of 70 lbs., 14 ft. suction lift, also motor. J. W. Griffiths, city supt. Pub. Wks.

Calif., Palo Alto—Made plans concrete reservoir, 130 x 240 ft. on top, side slopes 45 deg., bottom 100 x 210 ft. and 15 ft. deep, 2,825,000 gal. capacity, approximately 12,480 cu.yd. excav., etc. $35,000 or more. J. F. Bxybee, Jr., city engr. Noted May 13.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Calif., Rialto—Made plans extending 77,105 ft. 4 and 6 in. c.i. mains, etc. in various streets. To exceed $35,000. C. H. Wright, city engr. Noted Nov. 4.

Calif., Riverside — Making plans pipe line between city wells and here, also 15 m.g. reservoir. E. R. Bowen, Riverside, engr.

Calif., Roseville—Making surveys water system. To exceed $25,000. Olmsted & Gillilen, Hollingsworth Bldg., Los Angeles, engrs.

Calif., Salinas—Coast Valley Gas & Electric Co., 11 East Gabilan St., plans 4 and 6 in. water and gas mains in various streets. $38,775. Eng. Dept. of Owners, engrs.

Calif., San Jose—Defeated $80,000 bonds, water system at Alum Rock Park. Noted May 27.

Ont., Strathroy — Council plans extending 6 and 8 in. mains in various streets. $35,000. A. Smithrim, Waterworks Dept., engr.

Ont., Thorold—See "Sewers."

Bids Desired

Mass., Boston—Nov. 22, by Dept. Pub. Wks., Water Dept., one hundred 6 in. gate valves. J. H. Sullivan, comr.

N. Y., St. George—Nov. 23, by B. S. Coler, comr. Dept. Pub. Wks., Municipal Bldg., New York City, erecting and equipping emergency pumping station, incl. electric transmission line from power house for Sea View Hospital, here.

N. J., Hawthorne — Dec. 10, by Boro. Comrs., School 1, Lafayette Ave., pumping station and pumping machinery. H. J. Harder, engr.; adv. E. N.-R. Nov. 18. Noted Aug. 26.

S. C., Spartanburg — Dec. 7, by Comrs. Pub. Wks., steel standpipe for an elevated tank, approximately 1 m.g. capacity. Solomon-Norcross Co., 1404 Candler Bldg., Atlanta, Ga., engrs.; adv. E. N.-R. Nov. 18.

O., Cleveland—Nov. 24, by Bd. Comrs. Cuyahoga Co., 7,000 ft. 6 in. c.i. mains in Brecksville and Schaaf Rds., Impvt. 455; also 4,000 ft. in Stone Rd. Each to exceed $15,000. F. Williams, Court House, engr.

Ill., Chicago—Nov. 24, by City, Room 406, City Hall, one 72 in. electrically operated gate valve, at 73rd St. and Stoney Island Ave.; also 500 Chicago standard fire hydrants, at various city pipe yards. A. A. Sprague, comr. pub. wks.

Ill., Waukegan—Dec. 23, by City, filtration plant, pumping station, intake tunnel, sub-aqueous pipe into Lake, also 2 and 4 story, 44 x 153 ft., rein.-con., brick, steel and terra cotta building. $950,000. H. A. Allen, 208 North Wells St., Chicago, engr. Hoad, Decker, Shoecraft & Drewry, Ann Arbor, Mich., associated engrs.

Wis., Eagle River — Nov. 22, by W. Gander, city clk., drilling 432,000 g.p.d. gravel wall well or wells, pump, motor and elevated steel tank, also tank house. To exceed $15,000. W. F. Reichardt, 109 Main St., Watertown, engr.

Colorado—See "Streets and Roads."

Calif., Delano—Dec. 6, by S. G. Ladd, city clk., 3,700 ft. 4 in. standard black pipe.

Calif., Sacramento — Dec. 2, by H. G. Denton, city clk., 5,000 ft. 4 in., 50,000 ft. 6 in., 25,000 ft. 8 in., 10,000 ft. 10 in., 2,000 ft. 20 in. and 450 ft. 24 in. c.i. water pipe. A. J. Wagner, city engr.

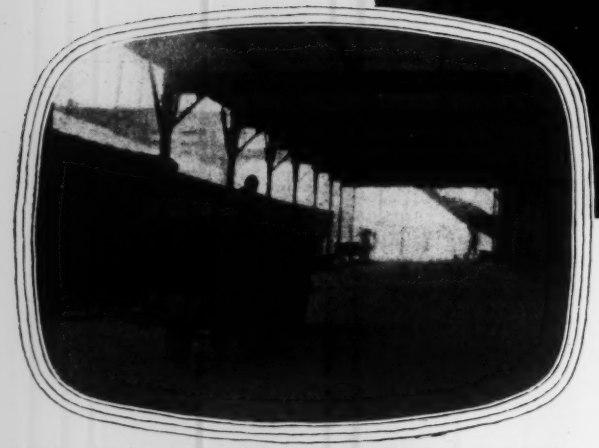
Que., Cap de la Madeleine—See "Contracts Awarded."

Bids Received

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in

Constr. News page 326

When time is money . . .
use Quick-Hardening Concrete
made with standard Universal Cement



Loading platform at Lehon Co., Chicago. Good concrete develops compressive strength of ***2000*** pounds per square inch in ***28 days.*** Average strength of ***4100*** pounds at ***3½ days*** secured on this job with High-Early-Strength ***Universal*** concrete. Standard ***Universal*** cement, the same quality ***Universal*** regularly handled, furnished by Adams Building Material Co., Chicago.

New Shipping Platform . . . . No Interruption to Loading

To replace an old shipping platform for the Lehon Co., Chicago, without interfering with loading, the builders did the work in sections and used High-Early-Strength concrete. *Three* days after placing, each section was opened to heavy trucking. Shipping went on without interruption.

High-Early-Strength concrete made by using thoroly tested methods and standard *Universal* (not special) cement gives not only speed but also permanently *better* and *stronger* concrete. The accompanying coupon will bring full details.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong Concrete in *3 days* with standard *Universal* [not special] cement, the same quality *Universal* regularly used.

Name.....

Address.....

ENR 11-18

Waterworks (Continued)

56th Rd., 59th and 60th Aves., etc., here, from S. Gallucci & Sons, 33 Railroad Ave., Corona, $2,489. Noted Nov. 4.

N. Y., Long Island City—N. J. Hayes, contr. Water Supply, Gas & Electricity, Municipal Bldg., Nov. 9, mains in Jamaica Bay and Woodhaven Blvds., here, from P. F. Connolly Co., 9 Jackson Ave., $334,900. Noted Nov. 4.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, ash crane for Queen Lane Pumping Sta., Contr. 839; and spare gears for Belmont Pumping Sta., Contr. 851, from Drayo-Doyle Co., Schaff Bldg., $5,960 and $4,528 respectively; ash crane for Lardners Point Sta., Contr. 840, from Acme Machine Co., 316 North 17th St., $11,374; 50,000 lb. pig lead, Contr. 849, from N. Trotter & Co., 36 North Front St., $4,118; pitometer survey for trunk mains of distribution system, Contr. 850, from Pitometer Co., 50 Church St., New York City, N. Y., $63,650; transporting water samples for 1927, Contr. 854, from W. Lintz, 8014 Cottage St., $1,989. Noted Nov. 4.

Ohio—See "Streets and Roads."

O., Euclid—Village, Nov. 1, mains in 7 streets in Sherwood Forest Sub-division, from Iafornaro & Nero Constr. Co., Fidelity Mortgage Bldg., Cleveland, $36,075. Noted Oct. 28.

Wash., Seattle—Bd. Pub. Wks., Nov. 5, 22,680 lin.ft. sand c.i. mains and 72 hydrants, etc., in 11th Ave. South et al, from Interstate Constr. Co., 1713 22nd St., $60,817.

Contracts Awarded

Mass., Boston — Dept. Pub. Wks., new suction chamber for Pump 5, Calf Pasture Pumping Station, to M. H. Ryan, 216 Belgrade Ave., Rosindale, $31,000. Noted Nov. 4.

Mass., Cambridge (Boston P. O.)—Concrete relining reservoir, Payson Park, at Belmont, to M. M. Devine, 45 Purchase St., Boston, $132,500. Noted Sept. 23.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Arcadia, Graham Aves., etc., here, to Gregory Contg. Co., 351 East 124th St., New York City, $11,598. Noted Nov. 11.

N. C., Carrboro — T. N. Mann, mayor, water and sewer lines, standpipe, and disposal plant, to Burlington Constr. Co., Burlington, approximately $75,000. Noted Sept. 16.

Miss., Waynesboro — Waterworks improvements, incl. c.i. mains, to U. S. Cast Iron Pipe & Fdry. Co., Amer. Trades Blvd., Birmingham, Ala.; sewer pipe, to W. S. Dickey Clay Mfg. Co., 2131 28th Ave. N., Birmingham, Ala.; valves, hydrants and boxes, to Dixie Mill Supply Co., 901 Tchoupitaulas St., New Orleans, La.; fire pumps, to Fairbanks-Morse & Co., 1000 St. Charles St., New Orleans, La.; 50,000 gal. tank on tower, to R. D. Cole Mfg. Co., Newman, Ga.; well and pump, to Layne-Central Co., Jackson; construction work, to R. L. Myers Constr. Co., Hattiesburg, Miss. Engrs. est. $60,000. Noted Sept. 9.

O., Cleveland—Cuyahoga Co., 8,300 ft. 6- to 12-in. c.i. main in Center Ridge Rd. Impvt. 1252, to Southern Constr. Co., 1726 Northfield Ave., $35,568. Noted Nov. 11.

O., Mansfield—J. B. Wolff, dir. Service-Safety 11,700 ft. 12 in. c.i. pipe for waterworks, to Burnip Constr. Co., 508 East Broad St., $31,000. Noted Oct. 21.

Mich., Detroit—Dept. Water Supply, 3 and 4 in. Class "B" c.i. water pipe, f.o.b. cars, sidings, Detroit, to Nat'l Cast Iron Pipe Co., Birmingham, Ala., at $57.25 and $51.25 per ton respectively.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., 2 motor driven pumps for Fenkell-Linwood booster station, to Worthington Pump & Machy. Co., 115 Bway., New York City, $9,120. Noted Sept. 23.

Mich., Saginaw—S. W. Corrigan, city clk., concrete sedimentation basin and water reservoir, to F. R. Patterson Constr. Co., 2631 Woodward Ave., $303,000. Noted Nov. 4.

Ill., Mt. Prospect — Waterworks, to H. Rees & Sons, Quincy, $109,791.

Neb., West Point—City Council furnishing 8,600 ft. 4 in. c.i. pipe, to McWane Pipe Co., 3600 11th Ave., Birmingham, Ala.; constructing 50,000 gal. rein.-con. and rein.-con. lining old brick reservoir, also installing above pipe, hydrants, valves, etc., to C. Robeck, 408 Securities Bldg., Omaha, $14,266. Noted Oct. 28.

S. D., Pierre—J. H. Starkey, city aud., 1,000 g.p.m. vertical centrifugal pump, to Lane Constr. Co., 507 Mutual Life Bldg., Kansas City, Mo. Approximately $4,800. Noted Oct. 28.

Mo., Chaffee—City Clerk drilling deep well, to F. Luth, 3000 Shenandoah Ave., St. Louis. Noted Oct. 28.

Tex., Ft. Worth—O. E. Carr, city mgr., water conduit from Holly to Lake Worth, 1,300 lin.ft. 48 in. and 22,700 lin.ft. 60 in. rein.-con. pipe, 4,400 lin.ft. 84 in. rein.-con. pipe in tunnel, 130 tons c.i. pipe, fittings and casting, 80,000 cu.yd. earth, 17,000 cu. yd. rock and 4,400 lin.ft. tunnel excav., etc., to Smith Bros. Constr. Co., Santa Fe Bldg., Dallas, $747,515. Noted Nov. 11.

Okla., Seminole—E. Magruder, city clk., 2 new deep wells, 2 motor driven pumps, 2 gasoline engine driven pumps, 7,830 ft. 2- to 6-in. c.i. pipe, reservoir, valves, etc., to Wiggins & Co., Herskowitz Bldg., Oklahoma City, $58,731. Engrs. est. $65,000. Noted Oct. 14.

Wash., Tacoma — Drilling two 24 in. wells, 1,000 ft. maximum depth, testing practicability of utilizing underground reservoir of district for supplying industries with cheap water, to N. C. Jannsen, Yakima, $36,000.

Wash., Wenatchee — Replacing wooden mains with 2.5 mi. c.i. mains in west central section city, to C. Power, Spokane, $45,689. Engrs. est. $65,000. Noted Oct. 7.

Calif., Montecito — Montecito Co. Water Dist., Buell Reservoir Dam, to Kraner & Haskell, Balboa Bldg., San Francisco, $142,175. Noted Nov. 11.

Que., Cap de la Madeleine—Will lay 6 and 8 in. c.i. mains, etc. in Rochefort and St. Louis Sts., etc., by day labor. $20,000. R. Morrissette, Cap de la Madeleine, engr.

B. C., Vancouver—Greater Vancouver Water Dist., 19,000 ft. 32 in. steel riveted pipe, to Vancouver Eng. Wks., 519 6th Ave. W., $135,482. Noted Oct. 14.

Sewers

Proposed Work

N. J., Princeton—Boro, J. P. Cuyler, clk., making plans rein.-con. and brick sewage disposal plant. $100,000. N. S. Hill, Jr., 112 East 19th St., New York City, engr.

Va., Westhampton (mail Richmond)—See "Waterworks."

O., Kenmore — Making surveys trunk sewer between here and Akron or sewage treatment plant, here. Barstow & McCurdy, 321 Ohio Bldg., Akron, engrs.

O., New Boston (sta. Portsmouth) — Voted $70,000 bonds, sewerage system; and $5,000 bonds, incinerator and garbage disposal plant.

Ill., Grays Lake—Making plans storm sewers in various streets $23,900. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Wisconsin—Metropolitan Sewerage Dist. (being organized), Kaukauna, making preliminary plans sewage disposal plant north of Kaukauna to supply Kaukauna, Appleton, Menasha, Neenah and various other cities. To exceed $25,000. A. E. McMahon Eng. Co., Menasha, engrs.

Wis., Waunakee—See "Waterworks."

Kan., Wellsville—Voted $30,000 bonds, sewers in various streets. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Oct. 7.

S. D., Huron—Defeated $250,000 bonds, improving waterwroks. M. F. Walt, city aud. Noted Sept. 30.

Mo., Chaffee—See "Waterworks."

Ark., Little Rock—Takes bids about Jan. 12, storm and lateral sewers in Sewer Impvt. Dist. 104. $600,500. Ford & MacCrea, 215 Gazette Bldg., engrs. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., consult. engrs. Noted Nov. 5.

Tex., San Antonio—See "Unclassified."

Okla., Chandler—Making plans 31,000 ft. 8 and 10 in. sewers in Lateral Sewer Dist. 14. $40,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Chelsea—Making surveys disposal plant, and 7,700 ft. 15 in. vitr. clay sewers, etc., in various streets. $28,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Calif., Los Angeles — Plans monolithic and rein.-con. storm drain, c.i. sewers, etc., in portions Amherst Ave., Wilshire Blvd., etc. To exceed $25,000.

Calif., Sacramento—Making plans (2nd unit) sewerage system from opposite 4th Ave. in Land Park Dr. and extending to Y St. To exceed $25,000. A. J. Wagner, city engr. Noted July 15.

Calif., San Bernardino—Made estimates, outfall sewerage system $240,435; sewage disposal plant $390,636; and intercepting sewers $209,587. Burns-McDonnell-Smith Eng. Co., Western Pacific Bldg., Los Angeles, engrs. Noted Oct. 7.

Que., Montreal—Soon takes bids sewers in various streets, $38,060. H. A. Terreault, city engr.

Ont., London—Council plans activated sludge sewage plant for West London, $200,000. W. P. Near, City Hall, engr.

Ont., Thorold—Twp. Council, J. A. Clark, Fonthill, clk., plans sewers, waterworks and fire protection for factory area. $50,000.

Ont., Toronto—Making plans new system sewage disposal to replace present system, $10,000,000. Gore, Nasmith & Storrie, Confederation Life Bldg., and Harrison P. Eddy, 14 Beacon St., Boston, Mass., consult. engrs. R. C. Harris, City Hall, engr.

Bids Desired

Mass., Boston—Nov. 23, by Dept. Pub. Wks., sewerage works in various streets in Dorchester; and Nov. 24, various streets in West Roxbury. $25,000. J. H. Sullivan, comr.

N. Y., New York—Nov. 22, by J. Miller, pres. Manhattan Boro, Municipal Bldg., outlet sewers in South St. between Rutgers and Jefferson Sts.; and storm relief sewer in Canal St., etc.

N. Y., Mamaroneck—Dec. 2 (extended date), by Bd. Village Trustees, constructing Contrs. 3, 4 and 5 of sewerage system. R. H. Stevens, Hillside Arcade, Larchmont, engr.; adv. E.N.-R. Nov. 18. Noted Nov. 4.

N. Y., West Seneca (mail Buffalo)—Nov. 22, by Town Bd. and Town Bd. Highway Superintendents, Erie Co., at office F. C. Munn, clk., Lind Ave., Gardenville, sewerage system, for Sewer Dist. 5. G. C. Diehl, 573 Ellicott Sq., Buffalo, town engr. Noted June 25.

N. J., Cranford—Nov. 23, by Twp. Com., about 10,574 ft. 8 and 12 in. sewers in various streets. D. C. N. Collins, twp. engr.

Pa., Phila.—Nov. 24, by Dept. Pub. Wks., Bureau of Engineering, main sewers in Mifflin, 18th, G and Luzerne Sts.; also branch sewers in Comly, Island, Stiles and 6th Sts. G. H. Biles, dir.

Pa., Phila.—See "Streets and Roads."

O., Cleveland — Nov. 24, by Bd. Comrs. Cuyahoga Co., 14,000 ft. 8- to 42-in. concrete, vitr. clay or segmental block sewer in Walden Ave. and vicinity, Impvt. 513 S. and W. F. Williams, Court House, engr.

Mich., Birmingham—Nov. 22, by H. E. Lawler, village clk., vitr. storm water sewer in Pleasant Ave. $25,000. H. Starr, village mgr.

Mich., Detroit — Dec. 8, by Dept. Pub. Wks., 250 cu.ft. per sec. capacity at 25 ft. head electric motor driven centrifugal or screw pumping unit with auxiliary equipment in connection with Connors Creek Sewage and Storm Water Pumping Station, Jefferson and Clairpointe Aves. P. A. Fellows, city engr.

Ia., Grinnell—Nov. 23, by H. B. Lowrey, city clk., sewage disposal plant improvements, incl. 425 ft. 24 in. sewers, 3 section, 20 x 40 ft. sedimentation tank, alternate one 40 ft. Dorr Clarifier; new dosing tank, flow channels, distribution lines, etc.; filter, incl. floor, pipe supports, main drain, etc.; changes in sludge pipe line, incl. 4 in. pump, motor, building, gas collector, etc.; and 2 in. centrifugal pump, with gasoline or electric motor, etc. R. B. Slippy Eng. Corp., 405 La Fayette Bldg., Waterloo, engrs. Noted Nov. 4.

Mo., Jefferson City—Nov. 23, by City Clerk, sewers in various streets. $185,000. Black & Veatch, 700 Mutual Bldg., Kansas City, engrs. Noted Sept. 2.

Tex., Galveston—Taking bids extending 18- to 36-in. sewers in West End Drainage area. C. A. Holt, Jr., city engr.

Tex., Wichita Falls—F. M. Rugeley, engr., taking bids sanitary sewers, laterals, intercepting lines, etc. in various streets, for City. $60,000.

Que., Cap de la Madeleine—See "Contracts Awarded"

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 10, sewers in Quentin Rd. and East 45th St., from S. Guerriero, 1024 66th St., $26,032 and $3,770 respectively; 11th Ave. and 55th St., from Picone Contg. Co., 606 Rugby Rd., $5,064 and $3,064 respectively; Albany Ave., from P. J. Donlon Contg. Co., 84 Bway., $17,284; and in 68th St., from Tomassetti & Co., Inc., 1074 60th St., $3,933. Noted Nov. 4.

N. Y., New York — See "Streets and Roads."

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Sewers (Continued)

Md., Baltimore — Bd. Awards, Nov. 3, storm drains and sewers in Sewer Dist. P-8, Storm Water Contr. 99, from P. Marocco, 638 South Linwood Ave., for Mayor and City Council. $42,784. Noted Oct. 28.

O., Cincinnati—Comrs. Hamilton Co., Oct. 26, 54,217 ft. 6- to 12-in. vitr. clay sewer in Sewer 4, Dist. 1, from Hannon-Hughes Co., 911 Atlas Bank, $96,871. Engrs. est. $122,-084. Noted Oct. 21.

O., Xenia — Bd. Trustees Wilburforce University, Nov. 5, sewage disposal plant, Imhoff tank, filter materials and dosing tank, from McCurran Bros., Xenia, $40,976. Noted Oct. 21.

Mich., Detroit—Dept. Pub. Wks., Oct. 27, East Jefferson Relief Sewer in East Jefferson St. from Clairpointe to Manistique Aves., 7,074 ft. 5- to 14-ft. cylinder pipe, from W. Blanck Co., 40 Seven Mile Rd. E., $564,920; and Mill Rd. Sewer, Sect. 1, in Mill Rd. from Rouge River to Ford Rd., 8,032 ft. 10 ft. cylinder brick pipe, from J. Porath, 903 Transportation Bldg., $690,-763. Noted Oct. 21.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., Nov. 3, 8- to 42-in. concrete sewers in Montana and Park Sts., from Lancaster & Friedericks, 742 34th St. $1,356 and $1,266 respectively; Olive St., from A. H. Koch, 2917 Grand Ave., $9,475; Pease St., from Rausch & Busse, 918 44th St., $11,143; State and 38th Sts., from P. & L. Co., 038 Edgewater Ave., $1,669 and $8,975 respectively; 22nd St., from Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., $28,951; 32nd Ave., from Shabart-Rauch, Inc., 1003 41st St., $6,144; 35th St., from G. Zimmermann, 3402 Grand Ave., $79,689; 36th and 37th Sts., from Clayton Constr. Co., 929 Hackett Ave., $21,-064 and $17,122 respectively. Noted Oct. 28.

Contracts Awarded

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, main sewer in Hellerman St., to A. Jafallo and L. Mark, 139 South 50th St., $87,288; and State Rd., to A. Mattia, 310 North 65th St., $52,671; also removing old and constructing new sewer in Spruce St., to J. J. McHugh, 1617 Race St., $64,869. Grand total $204,828. Noted Nov. 11.

Md., Baltimore — Bd. Awards, storm drains and sewers in Sewer Dist. P-8, Storm Water Contr. 99, to P. Marocco, 638 South Linwood Ave., for Mayor and City Council. $42,984.

Fla., Miami—City Comn., pumping station and sewers in Sewer Impvt. Dists. 213-214-215 and 216, Contr. S. R. 79, to J. B. McCrary Co., 415 Burdine Bldg., $124,054. Noted Oct. 21.

O., Cleveland—Cuyahoga Co., 10,000 ft. 8- to 30-in. segmental block sewer in Brooklyn Blvd., Impvt. 112, to Union Constr. Co., 1426 West 81st St., $47,328.

O., Cleveland—For 1,916 ft. 7½ ft. concrete and 3,795 ft. 15 in. vitr. clay sewers in Fischer Rd., to J. Kahill & Jackson Co., Triskett Rd., $95,839. Noted Oct. 28.

O., Euclid—For 3,000 ft. concrete sewer in Upson Rd., to A. C. Hattendorf, Stop 14, $66,790. Noted Oct. 28.

Mich., Pontiac — A. W. Spencer, drain comr., Pythian Bldg., 4½ mi. Southfield Storm Water 2, to A. Arcari, 13535 Woodward St., Detroit, for Oakland Co. $50,000.

Mich., Pontiac—For 11,856 ft. 10- to 18-in. trunk sewer in Bagley, Nevada, Franklin and Earlmore Sts., to C. U. McManus, Pontiac, $38,535. Noted Oct. 28.

Ill., Decatur—Sanitary Dist. of Decatur, sewage treatment plant additions, to File & Collins, Decatur, $142,786. Noted Sept. 23.

Ill., Westchester—G. F. Nixon & Co., 105 West Monroe St., Chicago, sanitary and storm sewers in various streets, to L. E. Meyer, Monadnock Blk., Chicago, $495,003. Noted Nov. 11.

Wis., Kilbourn—W. B. Shute, city clk., 2,300 ft. 6 and 12 in. vitr. sewers, in various streets, to J. Schlise, Sturgeon Bay, $20,970. Noted Nov. 11.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., to Wenzel & Henoch Constr. Co., 498 27th St., 8- to 36-in. concrete sewers in Auer Ave. $2,395, and 11th Ave. $1,290; to Rausch & Busse, 918 44th St., Blue Mound Rd., $6,618; to G. E. Zimmermann, 3402 Grand Ave., Concordia Ave. $3,162, 8th Ave. $15,796, and 44th St. $9,012; to P. & L. Co., 038 Edgewood Ave., 38th and 39th Sts. $11,928; to Mierswa Constr. Co., 582 20th St., Greenfield Ave. $8,288; to J. Forrestol Co., 215 15th St., Hope St., $655; and to Clayton Constr. Co., 929 Hackett Ave., Keefe Ave. $9,955. Grand total $69,059. Noted Nov. 11.

Wis., Milwaukee—W. J. Barbeau, clk. Lake Twp., Milwaukee Co., approximately 400 lateral sewer connections in 17 streets, to A. W. Glawe, 20 State St., Wauwatosa, at $27 and $37 per connection. Noted Oct. 28.

Wis., Stevens Point—A. W. Wallace, city clk., rein.-con. storm sewers in various streets, to Vicker & Bowerstock, 417 Clark St., $140,850. Noted Oct. 14.

Minn., St. Paul—Constructing Belt Line-Hayden Heights Sewer extension, to Thornton Bros., 318 Endicott Bldg., $52,837. Noted Nov. 11.

Okla., Ponca City—For 24,280 ft. 8 and 10 in. vitr. clay sewers in Sanitary Sewer Dist. 56, to Woodward Constr. Co., Woodward, $27,641. Engrs. est. $32,500. Noted Nov. 4.

Okla., Seminole — E. M. Magruder, city clk., 19,600 ft. 8 in. vitr. clay sewers, etc. in Lateral Sewer Dist. 2, to Bensen & Farrar, Guthrie, $28,000. Engrs. est. $29,-600. Noted Oct. 28.

Ore., Portland—G. R. Funk, city aud., constructing Front St. Intercepting Sewer and Drainage System, to J. F. Shea Co., Henry Bldg., $2,191,090. Noted Nov. 4.

Calif., Los Angeles — Complete sanitary sewer in Blimp St., to J. Artukovich, 626 North Bunker Hill Ave., $55,567. Noted Nov. 11.

Que., Cap de la Madeleine—Will lay 2,000 ft. 12 and 15 in. clay sewers in Rochefort, St. Louis, and St. Marie Sts., etc. by day labor, under supervision R. Morrissette, engr., Cap de la Madeleine, $25,000.

Ont., Toronto—Trunk sewer in connection with $11,000,000 North Toronto Sewerage System, Sect. A-B, rein.-con., to Nelson River Constr. Co., Ltd., 124 Pears Ave., $415,870; Sect. B-C, brick and rein.-con., to Russell Constr. Co., Ltd., Harbor Comn. Bldg., $428,917; and Sect. 8, brick, to W. R. Worthington Constr. Co., 57 Lascelles Blvd., $218,000. Grand total $1,-062,787. Noted Dec. 3.

Waste Disposal

Proposed Work

O., Ironton — Voted $21,000 bonds, garbage disposal plant and incinerator. Noted Aug. 12.

O., New Boston (sta. Portsmouth) — See "Sewers."

Bids Desired

Pa., Ardmore—Dec. 8, at Township Office, 75 East Lancaster Ave., collection and disposal of garbage by feeding to swine. H. Delaplaine, chn. Health & Drainage Com.; adv. E. N.-R. Nov. 18.

Bridges

Proposed Work

New York and New Jersey—Port of New York Authority, 75 West St., New York City, authorized issuance $20,000,000 bonds, constructing proposed Hudson River Bridge from 178th St., New York City, to Fort Lee, N. J. Noted May 6.

Ga., Waycross — Election in January, $50,000 bonds, bridge. A. Cook, city mgr.

Ky., Louisville — Defeated $5,000,000 bonds, free bridge over Ohio River. Noted Oct. 21.

Kan., Westmoreland—Pottawatomie Co. plans six 150 ft. span steel bridge, on Federal Aid Project 243-A. L. F. Whearty, Westmoreland, co. engr.

Mo., Albany—Gentry Co. defeated $100,-000 bonds, constructing bridges in various sections. W. W. Castor, co. clk. Noted Oct. 21.

Mo., Cape Girardeau — Cape Girardeau Bridge Co., c/o Chamber of Commerce, C. L. Harrison, chn., takes bids in about 60 days, 4,200 ft. concrete and steel bridge over Mississippi River, $1,600,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, engrs. Noted Sept. 2.

Mo., Palmyra—See "Streets and Roads."

Tex., Cameron—See "Streets and Roads."

Tex., Carthage—See "Streets and Roads."

Tex., Cold Springs — See "Streets and Roads."

Tex., Cotulla—See "Streets and Roads."

Tex., Galveston—See "Streets and Roads."

Tex., Liberty—See "Streets and Roads."

Tex., Palestine—Anderson Co., c/o W. C. Quirk, judge, and Rusk Co., c/o C. W. Benge, judge, making plans 180 ft. steel and rein.-con. bridge across Neches River, on Palestine-Jacksonville Rd., Highway 43. E. W. Davis, Palestine, engr. Anderson Co. Noted July 29.

Wash., Seattle — Making preliminary plans 6 span bridge over Lake Union. $3,250,000.

Wash., Seattle—Kings Co. voted $300,000 bonds, constructing steel bascule, double leaf trunnion bridge over Dwamish River, at 14th St. S. Noted Oct. 21.

Calif., San Jose — Defeated $275,000 bonds, bridges within city limits. Noted Oct. 7.

B. C., Vancouver — Making preliminary plans concrete and steel double deck bridge over False Creek, at entrance English Bay. $3,000,000. C. Brackenridge, City Hall, engr.

Bids Desired

N. Y., Forestport — Nov. 30, by T. F. Farrell, comr. Canals & Waterways, 353 Bway., Albany, removing existing bridge and constructing new highway crossing at Feeder Lock, here; adv. E. N.-R. Nov. 18.

N. Y., White Plains—Dec. 1 and 8, at office Supervs. Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, 4 stone faced rein.-con. and bridges, on Hutchinson River Parkway, here and at Harrison, Contr. 122; also remodeling Golf House, constructing garage and caddy, shelter, dam and pumphouse, at Maplemoor Golf Course, Contr. 136. J. Downer, ch. engr.; adv. E. N.-R. Nov. 18.

Pennsylvania—See "Streets and Roads."

D. C., Wash. — Nov. 19, by District Comrs., District Bldg., repairing swing span highway bridge.

South Carolina—See "Streets and Roads."

Georgia—Nov. 24, by State Hy. Dept., East Point, bridges in Appling, Gilmer, Habersham, Jefferson and Pickens Counties. W. R. Neel, highway engr.

O., Dayton—Dec. 7, by Comrs. Montgomery Co., Court House, Bridge 222, 100 ft. span steel truss, concrete abutments, 20 ft. over Bear Creek, Jefferson Twp. $25,000. W. O. Pease, Court House, co. surv.

Mich., Orion—Nov. 23, by Hubbell, Hartgering & Roth, engrs., 2640 Buhl Bldg., Detroit, two span arch bridge and concrete dam, here, for Indianwood Shores Land Co. $40,000. Noted Nov. 11.

Iowa—Nov. 23, at office Auditor State Hy. Comn., Ames, granite repairing 24 masonry culverts on Bridge Project 351, Union and Clarke Counties; 40 x 24 ft. skew deck girder bridge, 90 x 20 ft. skew pony truss, 60 x 20 ft. and 90 x 20 ft. pony truss with two 40 ft. I-beam approaches, 26 culvert and extensions on Bridge Project 363, Montgomery Co.; 2 span 90 x 20 ft. skew pony truss and one deck girder bridge, on Project 267, Wright Co.; 28 x 24 ft. I-beam bridge, 45 culverts and extensions, Guthrie Co.; also 644 ft. corrugated culvert pipe, Crawford Co. F. R. White, ch. engr.

Bids Received

New Jersey—State Hy. Comn., Trenton, Nov. 15, reconstructing timber trestle portions of State Highway Bridge crossing Barnegat Bay between Island Heights and Seaside Heights, Ocean Co., from Eastern Eng. Co., 4 N. North Carolina Ave., Atlantic City. $300,096. Noted Oct. 28.

West Virginia — State Road Comn., Charleston, bridge over New River at Cotton Hill Station on Midland Trail Rd., from B. M. Chaplin, Charleston, $36,419; and bridge over Honey Creek on same road, from A. Keathley, Prof. Bldg., Charleston, $4,484. Noted Oct. 21.

Ohio—G. F. Schlesinger, dir. Dept. Hys. Wks., Columbus, seven 135 ft. main and six 47 ft. approach span rein.-con. viaduct over Ashtabula Creek, on Cleveland-Buffalo Rd., Ashtabula Co., Incl. 10,271 sq.yd. brick paving, etc., from Standish Eng. & Constr. Co., 400 North Michigan Ave., viaduct $378,-125, grading and paving approaches $61,863.

O., Dayton — Comrs. Montgomery Co., Court House, Bridge 173, one 350 ft. steel span over Miami River, Wayne Twp., substructure, from F. M. Hall, Bank St., Dayton, $24,862; and superstructure, from Central States Bridge Co., 601 Beecher St., Indianapolis, Ind., $50,650. Engrs. est. $85,000. Noted Oct. 28.

Missouri—State Hy. Dept., Jefferson City, Nov. 4, from H. A. Worman, Pittsfield, Ill., 8 ft. rein.-con. slab span, etc. over creek, Warren Co. $669, from M. E. Gillioz, Monett, two 24 ft. over Jone Creek, Pulaski Co. $3,764, from Dobson & Robinson, Lincoln, Neb., two 12 ft. over creek, Atchison Co. $5,375, from Haller & Emerson Constr. Co., Boonville, two 10 ft. over branch Middle Fork $1,926, two 10 ft. over Gabriel Fork $2,509, two 12 ft. over Fisher Branch $2,673, 16 ft. rein.-con. slab, and two 50 ft. rein.-con. deck girder spans, etc. over Haw Creek $7,422, also two 35 ft. and one 50 ft. over Middle Fork $7,937, all in Morgan Co.; from Fogleman & Davidson, De Sota, four 40 ft. rein.-con. deck girder spans, etc. over Brushy Fork $10,037, five 40 ft. over Barren Fork $12,390, four 40 ft. over Dog and Cattail Creeks $13,155, all above in Miller Co., from D. C. Condon, Omaha, Neb., two 30 ft. and one 50 ft. over

Constr. News page 328

Granite Lives Forever
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New Orleans

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The hurricanes of traffic that rage through present-day city streets call for enduring pavements. Everlasting Granite Blocks are as well adapted to all traffic conditions as to all climatic conditions. Requiring practically no maintenance, they are most economical.

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Bridges (Continued)

Long Branch, Nodaway Co. $10,962, from J. L. Simmons Constr. Co., La Plata, two 45 ft. and one 50 ft. over Tank Creek $11,-862, two 45 ft. and one 50 ft. over Crawford Fork $10,391, all Cass Co., from O. H. Schmidt, Omaha, Neb., two 40 ft. and one 50 ft. over Mozingo Branch, Nodaway Co. $11,116, from Republic Concrete Constr. Co., St. Louis, eight 35 ft. and two 30 ft. rein.-con. deck girder also five 100 ft. arches over James River, Stone Co. $80,-657; from St. Louis Constr. Co., St. Louis, concrete reflooring 203 ft. bridge over Crooked Creek $5,177, 153 ft. bridge over Hurricane Creek $3,387, all Bollinger Co., and 233 ft. bridge over Big River, Jefferson Co., $1,800, from Ozark Eng. Co., Joplin, 529 ft. bridge over White River $10 564, and 285 ft. over same river $6,856, both Taney Co., from L. W. Spengler, Kansas City, 82 ft. bridge over Hog Creek $1,794, and 627 ft. over Castor River Division Channel $1,816, both Bollinger Co.; and from Maxwell Constr. Co., Columbus, Kan., constructing two 6 ft. culverts over creek, Miller Co., $1 480. Noted Oct. 28.

Idaho, Welser—See "Streets and Roads," under Idaho.

Calif., Requa—State Hy. Comn., Sacramento, from California Air Constr. Co., Santa Barbara, repairing bridge over Klamath River, here, Del Norte Co., removing concrete, $5,400, 585 cu.yd. gunite casing $49,000, 115,000 lb. reinforcing $0.0675, and 32,300 lb. mesh reinforcing $0.165, total $37,818.

Contracts Awarded

Massachusetts—Comrs. Essex Co., Salem, reconstructing concrete and granite abutments, East Saugus Bridge between Lynn and Saugus, to G. H. Byrne, 28 Church St., Sect. A, $25,890, and Sect. B $34,550. Noted Oct. 21.

N. J., Perth Amboy—Central R.R. of New Jersey, 143 Liberty St., New York City, 3 span highway bridges with steel column beats, at Market St., Hall and Brunswick Aves., here, to McClintic-Marshall Co., Inc., Oliver Bldg., Pittsburgh, Pa., $66,602.

Maryland—State Roads Comn., Baltimore, additions to bridge over Susquehanna River at Harve de Grace, Contr. H-50 Harford Co., to Neeld Constr. Co., Oliver Bldg., Pittsburgh, Pa. $237,730. Noted Sept. 30.

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridges, etc., on Project 194, Tyrrell Co., to Sanford & Brooks, West Shore Terminal, Charleston, S. C., $87,-776; on Project 4000, Chatham Co., to C. A. Wood & Co., Andrews, $64,831; on Project 584, Randolph Co., and Project 772, Wautauga Co., to J. S. Bowers, Whiteville, $34,098 and $25,038 respectively; on Project 678, Scotland Co., to J. L. Brinkley, Thomasville, $29,101; and on Project 683, Stanly Co., to Hardaway Constr. Co., Charlotte, $289,086. Grand total $529,930. Noted Oct. 28.

Fla., Vero Beach—Vero Beach Detroit Co., 2,144 lin.ft. creosoted timber trestle, to F. G. Fletcher, Vero Beach; 60 ft. span double leaf bascule type bridge, to Scherzer Rolling Lift Bridge Co., 53 West Jackson Blvd., Chicago, Ill.; and concrete lift span foundations, to George H. Sheldon Co., Vero Beach. Total $200,000. Noted June 17.

O., Massillon—Pennsylvania R.R., A. C. Shand, ch. engr., Broad St. Sta., Phila., Pa., 1 span 50 ft. bridge over South Erie St., here, to Massillon Bridge & Structural Co., Massillon, $35,000.

Ia., Dubuque—Dubuque Co., 2 span thru girder bridge wit htwo 5 ft. cantilevered sidewalks, to A. Olson Constr. Co., Waterloo, $25,385.

Utah—See "Streets and Roads."

Dams

Proposed Work

Ore., Portland—See "Waterworks" under Bids Desired.

Bids Desired

Mich., Orion—See "Bridges."

Railways

Proposed Work

Texas — International — Great Northern Ry. Co., C. S. Fitzpatrick, ch. engr., Union Sta., Houston, had preliminary plans prepared new switching yard below present yard on West Commerce St., in San Antonio, $135,000. Private plans.

Washington—Weyerhauser Timber Co., Everett, plans 30 mi: logging railroad to open 40,000 acre timber tract near Olympia.

Contracts Awarded

Massachusetts—See "Buildings—Industrial under Worcester, Mass."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Arkansas—Bd. State Engineers, 213 New Orleans Court Bldg., New Orleans, La.; received no bids Oct. 28, Fulton Lake capping in Desha Co. (Arkansas City), Ark., Mississippi River right bank, for Tensas Basin Levee Dist., Rayville, La. and Southeast Arkansas Levee Dist. of Arkansas. Will not readvertise at this time. Noted Oct. 21.

Wash., Yakima—Yakima Valley Irrigation League, plans driving approximately 2 mi. tunnel to tap Lake Clo Elum 75 ft. below present outlet and develop 120,000 acre ft. sub-storage irrigation activities in Yakima Valley, and constructing dam raising level of lake 100 ft.

Bids Desired

Louisiana — Dec. 6, by Bd. Comrs. Atchafalaya Basin Levee Dist., at office Bd. State Engineers, Court House, New Orleans, approximately 10,000 cu.yd. Legonier Levee-Riverside Enlargement, Pointe Coupee Parish. H. G. Parker, secy.

Calif., Merced — See "Contracts Awarded."

Bids Received

N. J., Long Beach—City Comn., 2 jetties at northern end of city, from J. A. Howland, Rumson, $76,000. Noted Aug. 26.

Miss., Gulfport—Road Protection Comn. of Harrison Co., 10 mi. sea wall, from C. F. Lytle, 504 Nebraska St., Sioux City, Ia., $1,314,761. Noted Oct. 28.

Contracts Awarded

Mass., Boston—Transit Dept., 1 Beacon St., earth and rock excavation and grading Dorchester Rapid Transit Tunnel, to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $21,500. Engrs. est. $25,000. Noted Aug. 12.

La., Alexandria—Red River Atchafalaya & Bayou Boeuf Levee Dist., approximately 19,000 cu.yd. excav. in Horse Shoe D.D. sublateral, Rapides Parish, to A. M. Wilkes, Alexandria, at $0.33 per cu.yd. Noted Oct. 21.

La., Vinton—Gravity D.D. 2, Calcasieu Parish, 2,400,000 cu.yd. excav. in main canal and 320,000 cu.yd. excav. in 30 mi. laterals, etc. to Howard Kenyon Dredging Co., 3603 McKinney Ave., Houston, Tex., at $0.983 and $0.996 per cu.yd. respectively. Noted Oct. 21.

Ind., Washington—Daviess Co., reclearing Smothers Creek Ditch, to F. H. Wills Constr. Co., St. Louis, Mo., $25,644.

Ark., Blytheville—Board Dirs. D. D. 17, Mississippi Co., R. C. Rose, pres., electrically equipped and motor driven pumping plant, to Fairbanks-Morse & Co., Inc., 900 South Wabash Ave., Chicago, Ill., $103,341. Noted Nov. 4.

Calif., Merced—H. P. Sargent, secy. Merced Irrigation Dist., Merced Co., will construct 3 mi. canal north of here, by day labor. Former bids rejected. Noted Oct. 28.

Calif., Oakdale—Oakdale Irrigation Dist., to Crane Co., 2nd and Brannan Sts., San Francisco, furnishing and delivering 1,000 ft. 8 in. O. D. dipped casing at $0.9424 per ft., 2,000 ft. 6 in. $0.6813, and 1,500 ft. 4 in. $0.3723; also 1,000 ft. ¾ in. galvanized pipe $0.637, and 500 ft. 1 in. $0.91.

Calif., Vallejo—A. O. Stewart, 58 Sutter St., San Francisco, 175,000 cu.yd. earth work in connection with highway embankment, here, Solano Co., to Haas, Doughty & Jones, Merchants Exch. Bldg., San Francisco.

Streets and Roads

Proposed Work

N. Y., Syracuse — Plans grading Stolp Ave.; resurfacing West Belden Ave.; and paving Wilson, Herbst, Wall, Williams, Emerson, Stinard, Glenwood and Westcott Sts. N. F. Pitts, Jr., city engr.

Va., Richmond — Nansemond Co. voted $110,000 bonds, improving road from Churchland to Driver.

N. C., Hillsboro—Orange Co. plans penetration asphalt paving 2½ mi. road from Chapel Hill to Durham Co. line. $25,000. R. H. Ward, Hillsboro, chn. bd. comrs.

Tenn., Cookeville—Putnam Co. and State Dept. Highways & Pub. Wks., Nashville, plan improving 6 mi. Baxter-Smith Co. line Rd. To exceed $25,000.

Tenn., Dyersburg—Plans expending approximately $30,000, paving various streets. W. Latta, mayor.

Tenn., Jamestown—Fentress Co. plans improving 30 mi. Jamestown-Pickett Co. line Rd. and Jamestown-Morgan Co. line Rd. To exceed $25,000.

O., Akron—W. F. Peters, dir. Pub. Serv. takes bids probably in January, vitr. brick paving 5,560 sq.yd. Crouse St., $40,000; also grading, curbing, sidewalks and paving 5,510 sq.yd. street, $40,500. E. A. Kemmler, Municipal Bldg., engr.

O., Lisbon—Comrs. Columbiana Co. take bids in spring grading and concrete paving 3 mi. Lisbon Negley Rd., 20 ft. $50,000. L. C. Kirk, Lisbon, engr.

O., Portsmouth—Voted $175,000 bonds, widening and paving approximately 3 mi. Gallia St.; also $80,000 bonds, improving various streets and alleys. Noted Sept. 23.

O., Toledo—Voted $500,000 bonds, widening and extending streets.

Ind., Indianapolis — Marion Co. plans constructing 2 mi. Edmundson and Kitley Rds., Irvington, $83,935; ¾ mi. M. N. White Rd., Beech Grove, $34,820; 7½ mi. A. G. Murray, Kate Moore, Henry Wiese, and C. Fisher Rds., Warren Twp., $253,085; and 6¾ mi. Arlington Ave., Warren and Franklin Twps., $140,000. W. W. Southard, Court House, engr.

Ill., Cairo—Soon takes bids grading, curbing, sewers and 6 in. rein.-con., Warrenite bithulithic, amiesite or rock asphalt paving, 41,285 sq.yd. or 6 in. rein.-con. paving 47,-856 sq.yd. Street Impvt. Dist. 4. $98,755—$111,967. G. A. Dewey, City Hall, engr. Noted Sept. 2.

Wisconsin—State Hy. Comn., c/o H. W. Vroman, div. engr., 440 Milwaukee St., Milwaukee, making preliminary plans and takes bids in spring concrete surfacing, etc. 5 mi. Sheboygan-Manitowoc Rd., Sheboygan Co., 20 ft. $150,000.

Wis., Antigo—Langdale Co. voted $800,-000 bonds, concrete paving Trunk Highway 26 through county. J. Baker, comr.

Wis., Chippewa Falls—Chippewa Co., W. H. Taylor, comr., voted $885,000 bonds, concrete paving Trunk Highways 11 and 16 through county.

Wis., Watertown—F. C. Weber, city clk., takes bids in spring, asphalt resurfacing North Washington, Clyman, Washington, 4th and North 4th Sts. $100,000. W. F. Reichardt, City Hall, engr.

Wis., Fond du Lac—C. J. Fay, city clk., making plans grading and paving Taycheedah Rd., Central Ave., Grove, East Scott, Wilkins, Boyd, East 11th, East 9th, Starr, Boardman and Vincent Sts. during 1927. To exceed $25,000. G. H. Stanchfield, City Hall, engr.

Kan., Coffeyville—Making plans vitr. brick paving 10 blocks various streets, 30 ft. To exceed $25,000. T. R. Marshall, Coffeyville, engr.

Kan., Osborne—Osborne Co. plans grading, etc. 10.7 mi. Federal Aid Project 371-A, 28 ft. A. J. Wandt, Osborne, co. engr.

Mont., Livingston—City, c/o G. Mason, clk., takes bids in spring paving approximately 34,000 sq.yd. various streets. $100,000.

Mo., Palmyra—Marion Co. election Nov. 23, $300,000 bonds, graveling 150 mi. roads incl. necessary bridges and culverts, etc. W. D. Cooper, Court House, co. engr.

Ark., Camden—Making preliminary plans grading, curbing, hard-surfacing, etc. portions Camden-Eldorado, Magnolia, Hope and Little Rock Highways. J. Patterson, city recdr.

Ark., Hope—Making preliminary plans grading, curbing, and hard-surfacing streets in Paving Dists. 5 and 6. F. Webb, city clk.

Ark., Little Rock—Soon takes bids asphalt on present concrete resurfacing 6,753 sq.yd. Street Impvt. Dist. 448. V. P. Knott, 401 Home Insurance Bldg., engr.

Ark., Paris—Making preliminary plans grading, curbing and hardsurfacing 5 mi. various streets, 28 and 40 ft.

Tex., Anderson—Grimes Co., c/o R. W. Barry, judge, takes new bids about Dec. 1, grading and bridging 13.89 mi. Highway 90, State Aid Project 610-B. $125,000. Former letting cancelled. O. A. Seward, Jr., Navasota, engr.

Tex., Austin—Travis Co. making plans graveling 8 mi. Austin-Pflegerville Rd., 18 ft. $114,000. O. Leonard, Austin, co. engr.

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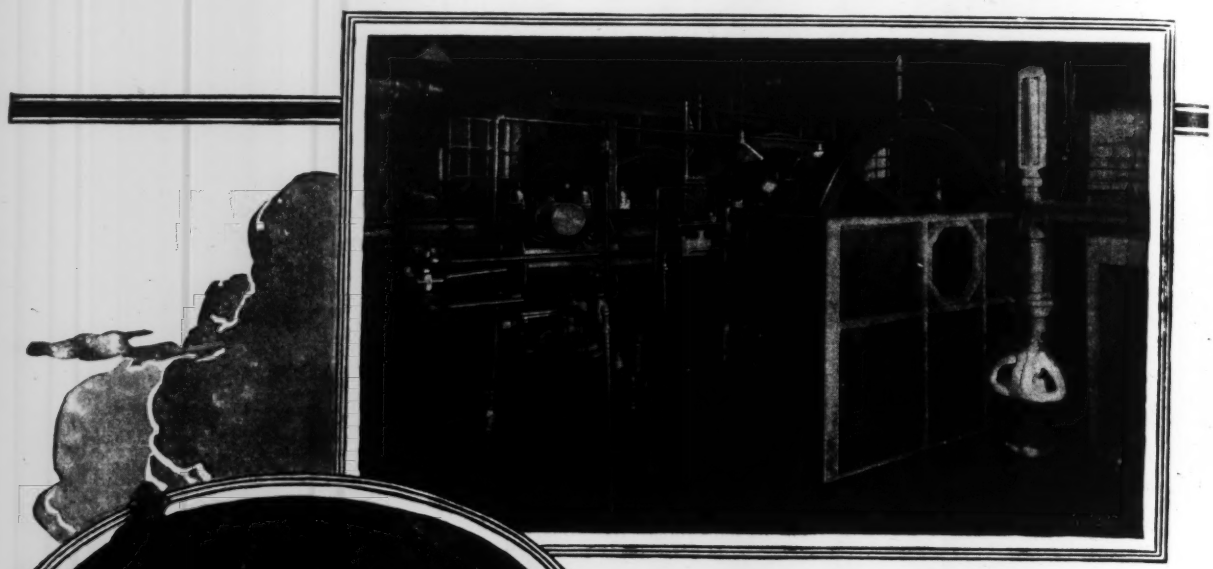

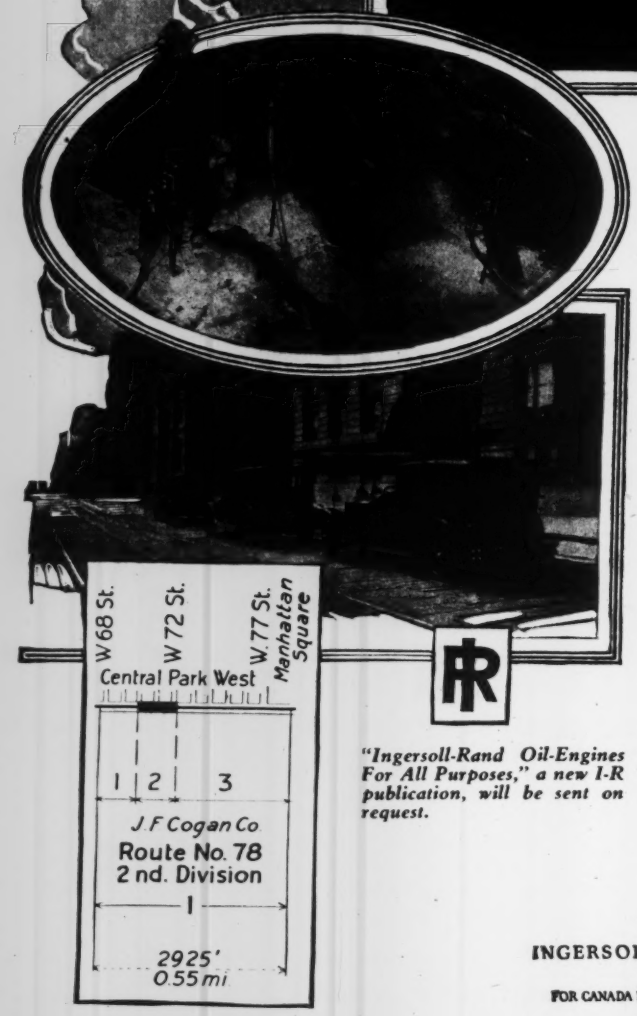

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Dependability and great economy in the use of fuel are outstanding features of these rugged, compact units. Only very small floor areas and foundations were required for their installation.

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Streets and Roads (Continued)

Tex., Cameron — Milam Co., c/o J. T. Kemp, judge, making plans grading, bridging and gravel surfacing 6 mi. Highway 43, from Rd. Dist. 10, to Williamson Co. line. $140,000. A. F. Mitchell, Cameron, co. engr.

Tex., Carthage—Panola Co., c/o T. E. Boren, judge, making plans improving Highway 64 from here to Louisiana State line. $70,000. D. E. Martin, Carthage, engr.

Tex., Cold Springs — San Jacinto Co. making plans grading, bridging, etc., 7.6 mi. Highway 35, 26 ft. $85,000. J. E. Morrison, Cold Springs, co. engr.

Tex., Cotulla—La Salle Co., c/o G. A. Welhausen, judge, making plans grading, bridging and bituminous macadam paving 7 mi. Highway 55 from Dimmitt Co. line to intersection with Highway 2. $153,000 V. Harris, Cotulla, engr.

Tex., Falfurrias—Syndicate, c/o W. T. Eldridge, Sugarland, making preliminary plans constructing roads throughout 16,000 acres, Brooks Co. $60,000.

Tex., Galveston—Galveston Co., c/o E. A. Hokman, judge, making plans grading, bridging and concrete paving 4.96 mi. Highway 6, Galveston-Houston Rd. $200,000. C. C. Washington, Galveston, co. engr.

Tex., Gonzales — Gonzales Co. making plans asphaltic macadam paving 5.427 mi. Highway 3. $66,000. S. H. Gulledge, Gonzales, engr.

Tex., Groesbeck—Limestone Co., c/o H. F. Kirby, judge, making plans crushed rock and rock asphalt on bituminous macadam paving 0.501 mi. Highway 7. $25,000. H. Boyetle, c/o Pittman Bldg., Mexia, engr.

Tex., Groesbeck—Limestone Co., making plans grading, bituminous macadam and rock asphalt on crushed stone paving 2.708 mi. Highway 14 from point 5 mi. south of Mexia to Navasota River, $122,700; also 3.931 mi. Highway 7 from point 1.5 mi. south of Tehuacana to point 3 mi. westerly, $202,000, both 18 ft. H. Boyette, Pittman Bldg., Mexia, co. engr.

Tex., Groesbeck—Limestone Co. making plans asphaltic macadam with rock asphalt top on crushed stone paving 4.938 mi. Highway 14, 18 ft. $250,000. H. Boyette, Pettman Bldg., Mexia, engr.

Tex., Le Fors—Gray Co., c/o T. M. Wolfe, judge, election soon $1,250,000 bonds hard-surfacing various roads.

Tex., Liberty — Liberty Co., c/o C. R. Wilson, judge, making plans grading, bridging, and shell surfacing 12 mi. Highway 60 from Devers to Chambers Co. line. $82,000. S. J. Treadway, Liberty, engr.

Tex., Midland — Midland Co., election Nov. 23, $50,000 bonds, permanent paving various roads. Montgomery & Ward, Harvey-Snider Bldg., Wichita, Falls, engrs.

Tex., Sulphur Springs—Making plans asphalt on waterbound macadam paving 15.24 mi. Highway 11, 18 ft. $250,000. J. E. Nolen, Sulphur Springs, co. engr.

Tex., Sulphur Springs — Hopkins Co. making plans asphalt on crushed stone paving 8.3 mi. Highway 1 from point near Caney Creek to Franklin Co. line, $125,000; also bituminous macadam paving 8.84 mi. same road from here to point near Caney Creek, $130,000, both 18 ft. J. E. Nolen, Sulphur Springs, co. engr.

Tex., San Antonio—See "Unclassified."

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading and concrete paving 74,890 sq.yd. State Highway 16, Tulsa Co. $175,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys gravel topping 112,000 sq.yd. Claremore Rd., Highway 20, Rogers Co., $35,000; concrete slab surfacing 83,475 sq.yd. Bartlesville Rd., State Highway 25, Washington Co., $176,000; and grading 8 mi. Commerce Rd., State Highway 39, 30 ft. Ottawa Co., $37,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc. 9 mi. Highway 11, 30 ft., Grant Co. $55,000. J. M. Page, highway engr.

Okla., Oklahoma City—Plans grading, curbing and sheet asphalt paving 11,920 sq.yd. Blackwelder, McKinley and 30th Sts. $66,715. B. M. Hart, City Hall, engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading, etc. 10 mi. State Road 2, 30 ft. Grady Co. $67,000. J. M. Page, highway engr.

Okla., Elk City—Making plans grading, curbing and vertical fibre brick paving 7,100 sq.yd. 7th, Broad and Highland Sts. $37,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Tulsa—Plans grading, curbing and sheet asphalt paving 6,470 sq.yd. Tecumseh and Seminole Sts. $31,460. C. Schultz, City Hall, engr.

Okla., Tuttle — Plans grading, curbing and sheet asphalt paving 7,800 sq.yd. Main St. $32,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Woodward—Plans grading, curbing, guttering and concrete paving 9,310 sq. yd. 8th St. $29,110. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

California—State Hy. Dept., Sacramento, plans guttering and rock macadam shouldering Corona-Del Mar-Laguna Beach Sect. new Coast Highway, Orange Co. $35,000 funds provided. R. M. Morton, Forum Bldg., Sacramento, highway engr.

California—State Hy. Dept., Sacramento, plans constructing approach to Carquinez Straits Bridge. $80,000. Highway Comm. appropriates $40,000 and Napa and Solano Counties $40,000 toward cost.

California—State Hy. Comn., Sacramento, making plans grading and surfacing 1.39 mi. road near Serra, Orange Co. To exceed $25,000. R. M. Morton, Forum Bldg., Sacramento, highway engr.

California—State Hy. Dept., Sacramento, making specifications 2nd story paving 3.69 mi. road between La Mesa and El Cajon, on San Diego-El Centro Highway, San Diego Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Bakersfield — Kern Co. making plans constructing road through Tejon Ranch from Arvin, and 6 mi. road from Muroc to Majove-Barstow Highway. To exceed $35,000. F. E. Smith, co. clk.

Calif., Chico—City Trustees soon takes bids grading, curbing, guttering, walks and asphaltic concrete paving, etc. Park Ave., South Main St., etc. To exceed $75,000. R. H. Witt, city engr.

Calif., Coronado—Making plans curbing, guttering, walks, and 4 in. bituminous macadam paving, etc. Bay Circle, Vista Pl., etc. To exceed $25,000.

Calif., Corona — Making plans curbing, walks, paving, etc., 8,500 lin.ft. Lester St., Buena Vista Ave., etc. Currie Eng. Co., Stoneman Bldg., Alhambra, engrs.

Calif., Corona—Plans widening and resurfacing West 6th St. between Boulevard and west city limits. To exceed $25,000.

Calif., La Mesa—Plans grading, curbing and concrete paving portions Cypress, Lookout, Clearview Aves., etc. To exceed $25,000.

Calif., La Mesa — Making plans 4½ in. asphaltic concrete paving, etc. La Mesa Blvd. addition. To exceed $25,000.

Calif., Los Angeles — Los Angeles Co. plans curbing, guttering, walks, oil and rock surfacing, etc., portion 3rd St., Clinton Ave., etc., Co. Impvt. 533; also portion Arkansas Ave., etc., Co. Impvt. 180. Each to exceed $25,000.

Calif., Los Angeles — Los Angeles Co. plans paving 5½ mi. San Fernando Rd. between San Fernando and Burbank. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Martinez — Contra Costa Co. making plans grading approximately 72,000 cu.yd. road between Lafayette and Moraga. To exceed $25,000. R. R. Arnold, Martinez, co. surv.

Calif., Newport Beach—Made plans curbing, guttering, walks, concrete and macadam paving, etc., Fernleaf Ave., etc. To exceed $165,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., San Bernardino—Plans improving 9th St. between city limits at Lytle Creek and Etiwanda Ave. To exceed $25,000. C. E. Johnson, city engr.

Calif., San Fernando — Plans grading, concrete walks and oil macadam paving, etc. Kalisher St., and portions Griffith, Moot Sts., etc. To exceed $50,000. E. B. Curry, city engr.

Calif., San Diego—Common Council plans curbing, sidewalks and 5 in. concrete paving 242,946 sq.ft. Playa del Sur St., etc. F. A. Rhodes, city engr.

Calif., Santa Cruz—Made plans grading, curbing, guttering, walks and 5 in. concrete paving 154,500 sq.ft. portions Emeline and Grant Sts. J. K. James, city engr.

Calif., Santa Rosa—Making plans curbing, guttering, paving, etc. portions South Davis, Nason, Howard, Chinn Sts. To exceed $25,000.

Calif., Sierra Madre — Making plans curbing, guttering, walks and 3 in. oil macadam paving Grove, Lima Sts., Highland and Grand View Aves. To exceed $25,000.

Calif., Signal Hill (main Burnett)—Making plans 6 in. asphaltic concrete and 8 in. concrete paving Willow St. between west city limits and Cherry Ave., to exceed $25,000; curbing, guttering, etc. 21st St. between Cherry Ave. and Junipero Sera Blvd. to exceed $25,000, and Rd. Dist. 8 $25,000.

Calif., Vallejo—Plans constructing road from south end Sonoma St. to Vallejo Bridge Highway. $30,000. T. D. Kilkenny, city engr.

Calif., Ventura—Ventura Co. plans concrete paving approximately 3 mi. 5th St., 20 ft. To exceed $45,000. C. W. Petit, Ventura, co. surv.

Que., Montreal—Soon takes bids paving various streets $350,913; and sidewalks on various streets, $20,298. H. A. Terreault, city engr.

Bids Desired

Mass., Boston — Nov. 19, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Park Sq., Columbus Ave. and Stuart St. $27,000 bonds. J. H. Sullivan, comr.

Rhode Island—Nov. 24, State Bd. Pub. Roads, State House, Providence, bituminous macadam paving. Contrs. 2619, 2621, 2620 and 2624; also rein.-con. paving Contrs. 2622 and 2623; adv. E. N.-R. Nov. 18.

N. Y., Brooklyn—Nov. 24, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, etc. 15th Ave.; grading, curbing and sheet asphalt on 6 in. concrete paving East 2nd St., West 12th, 60th and 65th Sts.

N. Y., Buffalo—Nov. 22, at office Dept. Pub. Wks., Municipal Bldg., paving Sumner Pl., Hazelwood Ave., Colorado and Rickert Sts.; and repaving Kosciuszko, Kail Sts., etc. J. J. Love, comr. Pub. Wks.

Pennsylvania — Dec. 7, by State Hy. Dept., Harrisburg, grading, rein.-con., paving, etc., approximately 14 mi. on 4 projects in Allegheny, Cambria, Huntingdon, and Jefferson Counties; also viaduct in Indiana Co.; and arch bridge in Warren Co., Indiana and Warren Counties. W. H. Connell, eng. executive and deputy secy. highways; adv. E. N.-R. Nov. 18.

Pa., Brownsville — Nov. 24, Supervs. Luzerne Twp., Fayette Co., one course rein.-con. repaving 23,751 ft. from end brick road south of Alicia to East Fredericktown, 16 ft. A. M. R. Jacobs, secy.

Pa., Phila.—Nov. 23, by Dept. Pub. Wks., Bureau of Highways, Schedule B, grading 20,056 cu.yd. Hellerman, Marsden, Island and O Sts.; Schedule C, asphalt repaving (assessment work) 12,064 sq.yd. Ashford, 74th, Charles, Valley, Crispin, Sedgwick and 66th Sts.; Schedule D, vitr. block paving (assessment work) 1,493 sq.yd. Silverwood and Springer Sts.; Schedule E, asphalt repaving 1,040 sq.yd. 9th St. south of Jefferson St. incl. demolition of building, etc.; Schedule F, redressed granite block repaving 6,795 sq.yd. Greys Ferry, Ellsworth and 3rd Sts.; Schedule G, improving 8,535 sq.yd. D, Eden, Erwig, Manatawna, N. and Park (country) Rds.; Schedule H, paving and repaving certain alleys in 2nd and 6th Highway Dists.; and Schedule A, branch sewer in Frankford Ave. between Longshore Ave. and Welsh Rd. G. H. Biles, dir.

Md., Baltimore—Nov. 24, by Bd. Awards, sheet asphalt paving 10,500 sq.yd. streets listed in Contr. 379. S. Purcell, City Hall, highway engr.

Georgia — Nov. 24, by State Hy. Dept., East Point, constructing 90.763 mi. roads in Appling, Columbia, Gilmer, Habersham, Jefferson, Merriweather, Mitchell, Pickens, Rabun, Sumter and Thomas Counties. W. R. Neel, highway engr.

O., Cincinnati — Nov. 19, by Comrs. Hamilton Co., grading and tar bound macadam repaving, etc., 10,700 sq.yd. Carthage Rd. $25,004. E. A. Gast, Court House, engr.

Ind., Indianapolis—Bd. Wks. taking bids improving 3,537 ft. 11th St., 24 ft. $25,810. C. C. Oberlas, City Hall, engr.

Ill., Chicago—Nov. 23, at office Bd. Local Impvts., Room 207 City Hall, grading and 7 in. concrete paving portions roadway of public alleys; grading, curbing, guttering, 8 in. concrete paving, etc. portions Bloomingdale Ave., Paulina, West 75th and 76th Sts.; grading, curbing, guttering and asphalt on 6 in. concrete paving, etc. East 74th St., Catalpa, Fitch, South Irving, South Maplewood, North Sayre and Wellington Aves.; grading, curbing, guttering and 10 in. concrete and 5 in. granite block on 2 in. sand or limestone paving East and West 87th St.; grading, curbing, guttering and asphalt on present limestone paving North Menard Ave.; grading, curbing, guttering and 10 in. concrete paving West 31st St.; grading, curbing, guttering asphalt on 6 in. concrete and 5 in. granite block on 1½ in. sand or limestone paving West 64th St., 63rd and 64th Pls., South Major and South Menard Aves.; grading, curbing, guttering and asphalt on present macadam paving East 63rd St., Vernon, Eberhart, Rhodes, Champlain, Langley, Evans and Lawrence Aves. J. J. Sloan, pres.

Ia., Greenfield—Nov. 23, at office Auditor Adair Co., improving 3.375 mi. Federal Aid Project 256, 125,903 cu.yd. excav., 151,500 sta. yd. overhaul, 700 ft. 15- to 24-in. culvert pipe, etc.

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Streets and Roads (Continued)

Ia., Red Oak—Nov. 26, at office Auditor Montgomery Co., improving 8.574 mi. Federal Aid Project 65, 259,365 cu.yd. excav., 147,000 sta. yd. overhaul, 1,000 ft. 15 and 18 in. culvert pipe, etc.

Ia., Winterset—Nov. 24, at office Auditor Madison Co., grading, etc., 83,956 cu.yd. Federal Aid Project 464.

Kan., Smith Center—Dec. 2, by Clerk Smith Co., improving 8.393 mi. Federal Aid Project 364-A, 106,575 cu.yd. excav., 5,876 ft. hedge, 3,580 ft. guard fence, 63,710 lb. reinforcing, 680 ft. corrugated metal pipe, etc. H. L. Everett, Smith Center, co. engr. Noted Sept. 23.

Tex., Galveston—City, c/o A. C. Kelley, secy., taking bids permanent paving 24 blocks 5 various streets, $80,000; and topping 12 blocks various streets, $26,000. C. A. Holt, Jr., Galveston, engr.

Okla., Madill—Nov. 22, by J. W. Colby, chn. Marshall Co., improving 5.486 mi. Road Project 4, 24,239 cu.yd. excav., 11,413 cu.yd. overhaul, 9,980 cu.yd. gravel, 11.04 tons reinforcing, etc., $32,000; and 5.029 mi. County Road 3-A, 28,725 cu.yd. excav., 10,004 cu.yd. overhaul, 12.26 tons reinforcing, 9,416 cu.yd. gravel, etc., $31,000. K. B. Carson, Madill, engr.

Colorado—Nov. 26, by State Hy. Dept., Denver, clearing, grubbing, grading, also piers and abutments for bridge over Colorado River, on Highway 2, Federal Aid Project 254-C, Grand Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Colorado—Nov. 26, by State Hy. Dept., Denver, sand surfacing, etc. 5.861 mi. Highway 4, Federal Aid Project 134-A, Kit Carson Co.; also gravel surfacing, etc. 2.864 mi. Highway 13, Federal Aid Project 282-D, Rio Blanco Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Idaho—Dec. 4, by Commissioner Pub. Wks., at office P. B. Wilson, dist. engr., Pocatello, improving 1.137 mi. Pocatello-Ft. Hall Rd., 3,133 cu.yd. excav., 20,953 sta.yd. overhaul, 627 cu.yd. crushed gravel-ing, 16,063 sq.yd. bituminous concrete or concrete paving, etc.

Calif., Inglewood—A. M. Hinckley, city clk., taking bids 2 in. macadam resurfacing 145,000 sq.ft. West 6th St.

Calif., Los Angeles—Nov. 29, by Supervs. Los Angeles Co., 20 ft. widening and 6 in. disintegrated paving 480,000 sq.ft. Wilmington Ave. G. Jones, Hall of Records, engr.

Calif., Los Angeles—Nov. 29, by Supervs. Los Angeles Co., grading, curbing, guttering, oil and rock screen surfacing 181,398 sq.ft. Parmelee Home Tract, Impvt. 516, to exceed $25,000; also concrete paving, etc., 250,014 sq.ft. Melrose Ave., etc., Impvt. 302, to exceed $95,000.

Calif., Martinez — Dec. 6, by Supervs. Contra Costa Co., improving highway from Lafayette to Moraga, 72,000 cu.yd. embankment, 60,000 sta.yd. overhaul, $27,500. R. R. Arnold, Martinez, co. surv. Noted Nov. 18.

Calif., Oakland—Nov. 24, E. K. Sturgis, city clk., grading, curbing, guttering and paving, etc. Fruitvale Ave., Waterhouse, Hanley and Tiffin Rds. To exceed $25,000.

Calif., Santa Barbara — Dec. 6, by Supervs. Santa Barbara Co., asphalt surfacing 1 mi. East Valley Rd. O. H. O'Neill, Santa Barbara, co. surv.

Calif., Santa Barbara—See "Contracts Awarded."

Calif., San Diego—Nov. 29, by Common Council, curbing, sidewalks, 5 in. asphaltic concrete paving 236,610 sq.ft. Del Monte Ave. Cable and Voltaire Sts. F. A. Rhodes, city engr. Noted Oct. 14.

Bids Received

Mass., Boston—Dept. Pub. Wks., sheet asphalt paving Gordon St., Ward 21, from S. J. Tomasello, 11 Cushing Terrace, Dorchester, $67,508. Noted Nov. 11.

Mass., Boston — Park Dept., 33 Beacon St., sheet asphalt reconstructing Fens Rd., Sect. 2, from J. McCourt Co., 910 Huntington Ave., Brookline, $47,715.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 10, bituminous on stone block paving Flushing, Meeker Aves., etc., from Borough Asphalt Co., 1301 Metropolitan Ave., $28,252; recurbing and concrete paving Gardner Ave., Grand St., etc., from Connor Bros., 623 Albany Ave., $6,991; also grading, curbing and flagging 50th St., etc., from Grimm Contg. Co., 170 McKinley Ave., $2,573. Noted Nov. 4.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Nov. 11, grading, curbing and flagging Laurel Hill Terrace, from Remo Realty Co., 645 East Tremont Ave., $114,551; granite block paving Plaza exit to Holland Tunnel, Canal and Laight Sts., from W. J. Fitzgerald, Grand Central Terminal, $102,253; and sewer in Riverside Dr., from Knight & DeMico, Inc., 448 East Tremont Ave., $11,104. Noted Nov. 4.

New Jersey—State Hy. Comn., Trenton, Nov. 15, grading and rein.-con. paving 37,036 sq.yd. Route 12, Sect. 9, from Fairfield to Little Falls, Essex and Passaic Counties, from P. Camillo, 335 Spring St., Westfield, $207,249. Noted Oct. 28.

Md., Baltimore — Bd. Awards, Nov. 10, grading, curbing and sheet asphalt paving 11,650 sq.yd. streets listed in Contr. 376, from P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R. tracks, $62,123. Noted Nov. 4.

South Carolina — State Hy. Dept., Columbia, Nov. 10, topsoiling, etc., 2.9 mi. Route 91, Federal Aid Project 56, Chester Co., from Ashley & Hanks, Honea Path $30,332, and 7.3 mi. Route 19, Federal Aid Project 263-A, Saluda Co., from J. H. Milford, Greenwood, $49,470; sand clay surfacing 6.3 mi. Route 54, State Project S-642, Clarendon-Sumter Counties, from Turner Constr. Co., Florence, $39,099; graveling 16.6 mi. Route 1, Project 41-2, Hampton Co., from Morrison & Glover, Augusta, Ga., $55,575; grading 3.3 mi. Route 33, State Project S-597, Jasper Co., from H. M. Taylor, Ridgeland, $7,387; reconstructing and flooring Alford's Bridge approaches on Route 8, State Project S-650, Anderson Co., from A. S. King, Greenwood, $9,503; treated timber bridge over Pudding Swamp, and paving Route 54, State Project S-642, Clarendon-Sumter Counties, from J. L. Carroll, Columbia, $5,732. Noted Nov. 4.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, Nov. 12, grading 0.259 mi. Sect. "A" Cambridge-Caldwell Rd., Noble Co., from L. S. Gaty, 387 Linwood Ave., Columbus, $10,337; guard rail on Sects. "T" and "U," Ohio River Rd., Brown Co., from E. E. Watters, Portsmouth $5,085, and Sect. "H" Millford-Hillsboro Rd., Clermont Co., from L. D. Kear, Wharton, $3,790; also 40 ft. span rein.-con. bridge on Sect. "C" Nelsonville-New Straitsville Rd., Hocking Co., from G. Loomis, Logan $7,137, and concrete bridge on Sect. "A" Cambridge-Caldwell Rd., Noble Co., from Elsass-Meyer Constr. Co., Anna, $24,750. Noted Nov. 4.

Missouri—State Hy. Dept., Jefferson City, Nov. 4, from Felix Kersting & Co., Jefferson City, 30 ft. grading, etc., 4.2 mi. road from Versailles west, Morgan Co. $25,148, from Dobson & Robinson, Lincoln, Neb., 3.55 mi. Mayville-Ravenwood Rd., Nodaway Co. $29,243, from Pittsburgh Des Moines Steel Co., Tuttle and South West 10th Sts., Des Moines, Ia., 3.47 mi. road from Versailles west, Morgan Co. $15,734, from C. P. O'Reilly Constr. Co., St. Louis, 0.322 mi. road from Tuscumbia south, Miller Co. $5,234, and 3.84 mi. road from Warsaw south, Benton Co. $29,296, from Montgomery & Parker, Rockport, Ind., 0.348 mi. road from Galena south, Stone Co. $18,673, from G. W. Condon Co., Omaha, Neb., 9.421 mi. road from Tarkio north, Atkinson Co. $71,124, and 3.828 mi. Maryville-Ravenwood Rd., Nodaway Co. $32,501, from M. E. Gillioz, Monett, 3.2 mi. road from Tuscumbia south, Miller Co. $43,992, and 3.71 mi. roads from Warsaw, north and south, Benton Co. $55,138, hauling gravel for 12.37 mi. road from Lebanon south, Laclede Co. $13,680, and 18 ft. graveling, etc., 3.497 mi. road from Dixon south, Pulasaki Co. $34,101; from Maney Bros. & Co., Ava, 18 ft. graveling, etc., 10.601 mi. Norwood-Mt. Grove Rd., Wright Co. $34,088, 4.499 mi. Salem-Licking Rd., Texas Co. $44,203, and 1.978 mi. same road, Dent Co. $4,897, from J. A. Kerr Co., Ozark, 4.886 mi. Caboal-Howell Co. Line Rd. $13,348, and 3.428 mi. Mt. Grove-Caboal Rd. $11,407, both Texas Co., from J. L. Simmons, La Plata, 1.846 mi. Hamilton-Kingston Rd., Caldwell Co. $7,717, from S. Henke, Route 3, Jefferson City, 6.08 mi. road from Tuscumbia north, Miller Co. $14,668, from H. A. Worman, Pittsfield, Ill., 3.49 mi. road from Warrenton north, Warren Co. $22,578, from O'Hagen-McVicker, Kansas City, 8.134 mi. road from Pleasant Hill east, Cass Co. $46,312; and from C. I. Williams, Monett, 2,835 ft. guard fence in Webster and Greene Counties, $2,126. Noted Oct. 28.

Tex., Austin — Travis Co. grading, bridging, and crushed gravel paving 6.63 mi. Highway 71 from Montopolis Bridge to Onion Creek, 18 ft., from R. Canion, 1412 South 1st St., Austin, $31,205. Engrs. est. $52,000. Noted Oct. 28.

Idaho—State Hy. Dept., Boise City, crushed graveling 4.903 mi. Clarke Fork Highway, Bonner Co., from T. Marrazzo, Spokane, Wash., $71,795; also repairing Sanke River Bridge, at Weiser, Washington Co., from C. E. Gilbaugh, Caldwell, $11,967.

Calif., Los Angeles—For 32,755 lin.ft. sewer, etc. in Eagle Rock Blvd. and Yosemite Dr., from Bebek & Brkich, 425 West 78th St., $97,169; also sanitary sewer, and 36,884 lin.ft. house connections in Washington St., from L. Miletich, 610 West 54th St., approximately $207,213. Noted Nov. 4.

Calif., Long Beach—Curbing, guttering, 2 in. asphaltic concrete on 8 in. concrete paving, etc., 100,000 sq.ft. Ocean Blvd. and American Ave., from Sully-Miller Co., 1500 7th St., at $0.338 per sq.ft.; also 10 in. concrete paving 155,600 sq.ft. portions Cherry Ave., from Griffith Co., Ry. Bldg., $0.301. Noted Oct. 28.

Calif., Sacramento — Sacramento Co., 3 in. Willite asphaltic concrete paving Power Line Rd., Dist. Impvt. 5, from A. Teichert & Son, 1846 37th St., Sacramento, approximately $157,500.

Calif., San Diego — Bd. Supervs., San Diego Co., from D. H. Ryan, Spreckels Bldg., improving Euclid Ave., 58,563 cu.yd. excav. $0.65 per cu.yd., 407,330 sq.ft. 5 in. concrete paving $0.20, 24,480 sq.ft. sidewalk $0.18, 4,827 lin.ft. curbing $0.60, 2,196 lin.ft. cement guttering $0.20, etc., total $228,781.

Calif., Stockton—E. D. Graham, clk. San Joaquin Co., Nov. 1, from W. Moreing, Harris Bldg., improving Union Rd., 8,000 cu.yd. grading at $0.20 per cu.yd., 9,200 tons 2½ in. gravel $1.80, 3,700 tons 1½ in. crushed rock $2.55, 1,500 tons dressing for oil $2.30, and 1,600 bbl. asphalt oil $2.85, etc., total approximately $35,620.

Contracts Awarded

Mass., Boston—Dept. Pub. Wks., sheet asphalt paving Crawford St., Roxbury, to Warren Bros. Co., 9 Cambridge St., Boston, $33,694; granite block paving Harrison Ave., Boston and Roxbury, to B. F. Grant Co., 100 Floyd St., Roxbury, $37,553, and portland cement and granite block paving Medford St., Charlestown, to A. Destefano, 288 Summer St., East Boston, $80,081. Grand total $151,328.

Mass., Marshfield — Dept. Pub. Wks., Boston, bituminous macadam paving 24,175 ft. highway, here, to M. F. Roach, 33 Spring St., East Bridgeport, Conn., $213,466. Noted Aug. 5.

Mass., Medford (br. Boston)—Dept. Pub. Wks., Boston, widening 3,000 ft. highway, here, to Greenough Constr. Co., South Acton. Noted Oct. 28.

Mass., Rochester (mail Marion)—Dept. Pub. Wks., Boston, gravel with bituminous macadam surface treatment 4,200 ft. highway, here, to J. R. Saucier, Mendon. Engrs. est. $25,000. Noted Nov. 4.

Connecticut — J. A. Macdonald, comr. State Hy. Dept., Hartford, to Lane Constr. Corp., 37 Colony St., Meriden, macadam on native stone paving East Longmeadow Rd. in Somers $41,453, rein.-con. paving 15,035 ft. Boston Post Rd., in Branford and East Haven $264,638, 31,144 ft. Meriden-Middletown Rd., in Middletown and Meriden $218,923, to Callan Constr. Co., Bristol, R. I., 20,052 ft. Saybrook-Middletown Rd. in Middletown and Haddam, $238,763, to Bridgeport Constr. Co., 440 Mill Hill Ave., Bridgeport, 3,337 ft. Main St. in Westport, $26,731, and 32,650 ft. Bridgeport Newtown Rd. in Trumbull and Munroe $224,345; to C. A. Haggerty, Webster, Mass., bituminous macadam on native stone paving and 44 ft. span concrete girder bridge over Little River in Woodstock $32,445; to A. D. Bridges & Sons, Inc., Hazardville, water-bound macadam paving 20,305 ft. Scotland-Canterbury Rd. in Scotland and Canterbury $135,905, and 13,108 ft. Route 142-Route 151 to Massachusetts State Line $107,208; and to D. Arrigoni, 605 Main St., Middletown, native stone macadam paving 29,638 ft. Marlboro-Hebron Rd. in Marlboro and Hebron $289,342. Grand total $1,579,753. Noted Nov. 4.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Uvalde Asphalt Paving Co., 1 Bway., New York City, sheet asphalt paving Amboy St. $5,699, Dumont Ave. $2,485, sidewalks, etc., on Newport St. $2,754, and Schenck Ave. $3,779, to B. Turecamo Contg. Co., 8706 Bay 12th St., Quentin Rd. $6,127, 16th Ave. $8,186, 46th St. $7,522, 81st St. $6,495, and asphalt paving East 12th St. $7,264, to M. J. O'Hara, Neptune Ave. and West 19th St., Colonial Rd. $4,389, Dahlgren Pl. $9,432, sidewalks on New Utrecht Rd. $4,754, Avenue R $4,794, 58th St. $2,040, 63rd St. $6,280, 66th St. $6,098, and 82nd St. $7,298, to D. J. McCoy Asphalt Corp., Avenue S $2,750, and Winthrop St. $7,183, sheet asphalt paving East 13th St. $7,026, East 28th St. $6,268, Kenmore Pl. $7,255, and Linden Blvd. $51,280, to Cleveland Trinidad Paving Co., Flushing, East New York Ave. $41,652, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., East 13th St. $4,971, and East 95th St. $11,238, sidewalks on 51st St. $3,714, 61st St. $9,948,

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and 83rd St. $9,445, to C. Bennett Impvt. Co., 414 Rutland Rd., Lefferts Ave. $7,597, also to G. M. Mandato, 129 29th St., 20th St. $4,652, and 65th St. $10,620. Grand total $280,995. Noted Nov. 4.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sidewalks on 33rd and 43rd Sts., to Welsh Bros. Contg. Co., 32 Queens St., $2,249 and $19,412 respectively, and Gosman Ave., to O'Brien & Kurth, Inc., 8625 137th St., Jamaica, $1,787; grading and sheet asphalt paving Junction Blvd., to Cleveland Trinidad Co., Flushing, $2,228, and 69th St., etc., to Cranford Co., 52 9th St., Brooklyn, $55,-912. Grand total $81,589. Noted Nov. 4.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing and granite block paving Canal Pl., to J. Meehan & Son, Inc., 90 West St., $54,879. Noted Nov. 11.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and sheet asphalt paving 58th St., to Sicilian Asphalt Paving Co., 41 Park Row, $50,775; and sheet asphalt repaving Bway., 64th St., etc., to W. J. Fitzgerald, Grand Central Terminal, $59,895. Noted Nov. 11.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, curbing, guttering, etc., Patten St., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $5,041. Noted Nov. 11.

New Jersey—State Hy. Comn., Trenton, 10 in. double line rein.-con. paving extension Routes 2, 3 and 6, on Delaware River Bridge Approaches, Connecting Rd., Sects. 1a and 2a, Camden Co., to Union Paving Co., 123 South 21st St., Phila., Pa., $306,-047. Noted Nov. 11.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to Union Paving Co., 123 South 21st St., asphalt paving (assessment work) Alder, Sarnock and 11th Sts. $9,241, Yocum St. $4,556, asphalt repaving Market St. (track area) $54,772; to Barber Asphalt Co., 239 North 30th St., asphalt paving (assessment work) Mascher St. $20,565; to C. G. Centrone, Bailey Bldg., redressed granite block repaving Chancelor St. $6,474, Erie St. (track area) $4,285, Front St. $18,324, improving 81st St. $6,991, also Ashwood and Redmond (country) Rds. $4,648; to Acchione Contg. Co., 755 South Warnock St., redressed granite block repaving 3rd St. $28,576; and to B. Foster, Inc., 20th and Venango Sts., improving Ashwood and 88th Rds. $4,060. Grand total $162,492. Noted Nov. 11.

Md., Baltimore—Bd. Awards, grading, curbing, and sheet asphalt paving 9,740 sq.yd. streets listed in Contr. 375, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St. $32,633. Noted Nov. 11.

Md., Baltimore — Bd. Awards, grading, curbing and sheet asphalt paving 11,050 sq.yd. streets listed in Contr. 374, to Amer. Paving Co., Montebello Ave., $46,061. Noted Nov. 4.

West Virginia — State Road Comn., Charleston, grading 4.8 mi. Burnsville-Gilmer Rd., Braxton Co., to Price Constr. Co., Huntington, $69,853, 2.5 mi. Fairmont-Taylor Rd., Marion Co., to W. H. Armstrong Co., Fairmont, $24,412, 4.7 mi. Ben Lomond-Gallipolis Rd., Mason Co., to Billups & Wellman, Huntington, $27,176; paving, etc., 0.5 mi. Mullins-Amingo Rd., Wyoming Co., to A. Keathley, Charleston, $26,568; also Julian Bridge, Boone Co., to Vincennes Bridge Co., Vincennes, Ind., $1,439. Grand total $149,448. Noted Oct. 21.

North Carolina — State Hy. Dept., Raleigh, to Ziegler Bros., Greensboro, grading and concrete paving, etc., 11.84 mi. Project 234, Johnston Co. $270,612, 14.31 mi. Project 3940, Robeson Co. $360,994, 7.81 mi. Project 3480, Cumberland Co. $176,337, 15.54 mi. Project 233, Johnston Co. $344,-440, 13.47 mi. Project 872, Rutherford Co. $395,004; to Jamison Bros., High Point, clearing, grubbing, grading and topsoiling, etc., 14.1 mi. Project 349, Cumberland Co., $67,223; to Caldwell Constr. Co., Charlotte, grading, asphalt paving, etc., 2.22 mi. Project 6501, Mecklenburg Co., $93,631; to J. F. Mulligan Constr. Co., North Wilkesboro, clearing, grading and gravel surfacing, etc., 5.81 mi. Project 772, Watauga Co., $113,979, also clearing, grubbing and grading, etc., 19.6 mi. Project 270, Sampson Co., $73,669. Grand total $1,895,889. Noted Oct. 28.

Florida—State Roads Dept., Tallahassee, clearing, grubbing, grading, etc., 81,530 cu.yd. Project 691, Indian River Co., to Mason Payne Co., Inc., Macon, Ga., $86,490, 14,100 cu.yd. Project 53-C, Lake Co., to Tampa Sand & Shell Co., Harrison St., Tampa, $102,806, 109,071 cu.yd. Project 692, St. Lucie Co., to Boone & Wester, Palatka $118,627, and 110,661 cu.yd. Project 677-B, Levy Co., to Costal Constr. Co., St. Petersburg $146,625; rock base surfacing 111,024 sq.yd. Project 676-A, and 160,-483 sq.yd. Project 676-B, both Levy Co., to L. M. Gray, Gainesville, $129,413 and $186,785 respectively; also overhead crossing Project 682, Citrus Co., to Erler Corp., Tampa, $45,976. Grand total $816,722. Noted Nov. 11.

Florida—State Roads Dept., Tallahassee, double surface slag on 8 in. lime rock paving 3.7 mi. Green Cove-Long Beach Rd., 18 ft., Bradford Co., to F. W. Long Co., Consolidated Bldg., Jacksonville, $75,000.

Fla., Miami—City Comn. paving Federal Highway, from Northeast 38th to Northeast 121st Sts., Contr. H-81, to Highway Constr. Co., Miami, $307,307.

O., Cincinnati—Hamilton Co. **(e. e. means engrs. est.)**, grading and tar bound macadam paving, etc., 24,500 sq.yd. Struble Rd., to D. C. Brunson, 834 Hutchins Ave., $55,-728 e. e. $56,353; 9,600 sq.yd. Powner Rd., to McIntyre & Montague, North Bend, $20,-552 e. e. $25,037; 10,400 sq.yd. Creek Rd., to J. S. Slone, 2321 Mound Ave., Norwood, $24,945 e. e. $25,305; 16,100 sq.yd. Little Dry Run Rd., and 11,200 sq.yd. Muchmore Rd., to Pickelheimer & Slone, 2321 Mound Ave., Norwood, $49,658 and $31,066 respectively, e. e. $49,688 and $31,319 respectively. Grand total $181,944.

O., Cleveland—Grading, curbing and asphalt surfacing 1,770 sq.ft. Parklawn Ave., to Rieley Bros., The Arcade, $9,152; also 5,700 sq.ft. Southview Ave., to Highway Constr. Co., Guarantee Title Bldg., $26,364. Noted Nov. 11.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving, etc., Route 1, Sect. 41-X, Massac Co., to Mitchell Constr. Co., Marion, $21,769; Route 37, Sect. 12-X, Franklin Co., to R. E. Vineyard, Benton, $10,489; and Route 2, Sect. 48-X, Macon Co., to File & Collins, Decatur, $5,907. Grand total $38,165.

Iowa—State Hy. Comn., Ames. **(F. A. P. means Federal Aid Project, and P. P. means Primary Project)**, to M. O. Weaver, Iowa Falls, improving F. A. P. 266, Grundy Co., 47,800 cu.yd. gravel 1 mi. haul at $0.45 per cu.yd., 30,710 units ½ mi. haul $0.09, 2,000 cu.yd. stripping $0.25, F. A. P. 262, Buchanan Co., 9,480 cu.yd. 1 mi. haul $0.45, 56,900 units ½ mi. haul $0.08, and 3,000 cu.yd. stripping $0.25, to N. E. Hendricks, Scranton, F. A. P. 51, and P. P. 463, Guthrie Co., 5,403 cu.yd. gravel 1 mi. haul $0.40, 60,000 units ½ mi. haul $0.10, and 1,220 cu.yd. stripping $0.25 and $0.50, to Smalley Constr. Co., Charles City, P. P. 138, Mitchell Co., 7,393 cu.yd. gravel 1 mi. haul $4.32, 63,970 units ½ mi. haul $0.075, and 1,900 cu.yd. stripping $0.19, to W. H. Dugan & Sons, Omaha, Neb., P. P. 457, Woodbury, Ida and Cherokee Counties, 155,900 cu.yd. excav. $0.17, 700 cu.yd. excav. $0.25, 121 cu.yd. loose rock excav. $1, 200 cu.yd. solid rock excav. $2, 502 ft. culvert labor $0.35, and to J. W. Wachtler, 1805 Dodge Bldg., Omaha, Neb., same road, 108,144 cu.yd. excav. $0.18 and $0.20, 82 cu.yd. loose rock excav. $1 and 100 cu.yd. solid rock excav. $2, 64 ft. culvert labor $0.35, to W. Woods, Prairie Du Chien, Wis., F. A. P. 166, Clayton Co., 8,190 cu.yd. gravel f.o.b. Luana and Monona $1.65, 11,-110 cu.yd. 1 mi. haul $0.55, 21,400 units ½ mi. haul $0.10, and to Claremont Brick & Sand Co., Clermont, same road 2,920 cu.yd. f.o.b. Postville $1.45, to J. C. Parquette, 2347 Capitol St., Des Moines, F. A. P. 3, Jefferson Co., 29,358 cu.yd. excav. $0.268, 2,000 cu.yd. rock excav. $150, 50,600 sta.yd. overhaul $0.02, to F. Carlson Paving Co., Decorah, F. A. P. 166, Clayton Co., 200 cu. yd. excav. $0.80, 964 sq.yd. paving $3.20, and 2 intakes $30 each; to Klaugher Mfg. Co., Dubuque, F. A. P. 226, Mills Co., 772 ft. 18 in. corrugated pipe at $1.25 per ft., and 80 ft. 24 in. $1.68, to G. Cronkhite Constr. Co., Perry, F. A. P. 184-A, Monona Co., 2,328 ft. cable guard rail $0.264, and 8 anchors $8 each, also F. A. P. 265, Warren Co., 980 ft. cable guard rail $0.32, and 8 anchors $8 each.

Ia., Charles City—Floyd Co., to J. Schumaker, Bancroft, improving Township Rd., 3,000 cu.yd. gravel 1 mi. haul at $0.38 per cu.yd. and 11,100 units ½ mi. haul $0.08.

Ia., Forest City—Winneshiek Co., to M. O. Weaver, Iowa Falls, improving Primary Project 177, Federal Aid Projects 284 and 98, 29,589 cu.yd. gravel 1 mi. haul at $0.45 per cu.yd., 293,500 units ½ mi. haul $0.085, and 9,800 cu.yd. stripping $0.25; to H. Pickus Constr. Co., Sioux City, 3,749 cu.yd. gravel 1 mi. haul, f.o.b. Calmer $2.342, 6,905 cu.yd. 1 mi. haul f.o.b. Ossian $2.019, 7,334 cu.yd. 1 mi. haul, f.o.b. Castalia $1.9515, and 42,000 units ½ mi. haul $0.08.

Ia., Guthrie Center—Guthrie Co., to J. Shipley, Guthrie Center, improving Federal Aid Project 51 Extension, 10,048 cu.yd. excav. at $0.27 per cu.yd., 50 cu.yd. loose rock $0.50, and 100 cu.yd. solid rock $1.50.

Kan., Mound City—Linn Co., bituminous filled brick paving, etc., 0.573 mi. Federal Aid Project 109, to Cook & Stucker, Ottawa, $24,688. Noted Oct. 21.

Kan., Newton—C. A. Young, clk. Harvey Co., concrete paving 0.997 mi. Federal Aid Project 329-C, to J. P. Collins Constr. Co., Leavenworth, $47,748; 2 bridges on same road, to E. W. King, Hesston, $5,093. Noted Oct. 28.

Kan., Wellington — Sumner Co., 6 in. concrete paving 31,735 sq.yd. Meridian Extension, Federal Aid Project 354-A, to Schultz Bros. Contg. Co., 135 North Poplar St., Wichita, $91,609.

Arkansas—State Hy. Dept., Little Rock, clearing, grubbing, grading and graveling, etc. 15,942 cu.yd. McGehee-Watson Rd., to J. Selz, McGehee, $24,000. Noted Oct. 21.

Ark., Hot Springs—Grading, curbing and concrete paving, etc. 10,000 sq.yd. Street Impvt. Dist. 96, to P. F. Connelly Paving Co., Home Insurance Bldg., Little Rock, $30,002; sidewalks and grading, etc. 11,000 cu.yd. Street Impvt. Dist. 88, to E. B. Mooney, 348 Valley St., Hot Springs, $9,205. Noted Oct. 7.

Ark., Pine Bluff — Grading, curbing, guttering and 6 in. concrete paving, etc. 6,800 sq.yd. in Street Impvt. Dist. 95, to J. P. McNulty, Pine Bluff, approximately $22,000. Noted Sept. 2.

Tex., Clarksville—Red River Co., rein.-con. paving 21,000 sq.yd. various streets, to James Contg. Co., 805 Trunk Ave., Dallas, $49,350. Engrs. est. $55,000.

Tex., El Paso—El Paso Co., grading and modified topeka paving, etc., 1.987 mi. Highway 1, Federal Aid Project 439-D, and 7.348 mi. same road, Federal Aid Project 439-B, to El Paso Bitulithic Co., El Paso, $53,769 and $139,911 respectively. Engrs. est. $74,000 and $232,150 respectively. Noted Oct. 7.

Tex., Mission—Curbing, guttering and Uvalde rock asphalt paving 47,140 sq.yd. various streets, to F. P. McElrath, Corsicana, at $1.33 per sq.yd. Noted Oct. 21.

Utah—Engineer State Hy. Dept., Salt Lake City, 6 in. graveling 7,800 cu.yd. Federal Aid Project 65-A-2, Utah Co., to James & Bates, Salt Lake City, $79,728 engrs. est. $82,126, and 6,000 cu.yd. Federal Aid Project 62-A, Morgan Co., also constructing 2 bridges on same road, to Morrison-Knudson, Continental Bank Bldg., Salt Lake City, $66,361 engrs. est. $67,354.

Wash., Bellingham — Sidewalks, paving and constructing bulkhead on West Holly St. between Whatcon Creek Waterway and G. St., to C. G. Burnett & Co., Bellingham, $68,460. Engrs. est. $66,000.

Calif., Beverly Hills—City Trustees, to B. R. Ford, 407 West 17th St., Santa Ana, improving La Cienega Blvd., 108,820 sq.ft. grading at $0.20 per sq.ft., 73,201 sq.ft. 8 in. concrete paving $0.249, and 10,269 sq. ft. walks $0.15, etc. Noted Oct. 21.

Calif., Glendale — Curbing, guttering, walks and concrete paving 28,501 sq.ft. and 5 in. macadam paving, etc., 14,075 sq.ft. Cleveland Rd., etc., to J. W. Henderson, 267 Hill St., approximately $25,100. Noted Oct. 7.

Calif., Hawthorne — Grading, curbing, guttering and 1½ in. asphaltic concrete surfacing West New York Ave., 5th St., etc., to G. H. Oswald, 366 East 58th St., Los Angeles, $64,445. Noted Nov. 11.

Calif., Long Beach—For 2 in. asphaltic concrete on 8 in. concrete paving, etc. American Ave. and Ocean Blvd., to Sully-Miller Co., 1500-7th St., at $0.338 per sq.ft. Noted Nov. 11.

Calif., Los Angeles—Curbing, guttering, walks, concrete and asphaltic concrete paving, etc., Santa Barbara and Arlington Aves., etc., in Santa Barbara and 2nd Ave. Impvt. Dist., to Tryon & Brain, California Bldg., approximately $206,825. Noted Oct. 14.

Calif., Los Angeles—Curbing, walks and concrete paving, etc. Hoover and Division Sts., to G. H. Oswald, 366 East 58th St., $277,753 and $118,905 respectively; also grading, rock and oil surfacing, 8 in. concrete paving, etc. La Brea Ave., to C. W. Shafer, 3301 South Hill St., $130,435. Grand total $527,093. Noted Nov. 11.

Calif., Los Angeles — Los Angeles Co., curbing, guttering, walks, asphaltic concrete paving, etc., 66,686 sq.ft., to Curtis Paving Co., 2440 East 26th St., $35,238.

Calif., Redwood City — Supervs. San Mateo Co., 2 in. asphaltic concrete on 6 in. waterbound macadam paving Willow Ave., and 2 in. Warrenite-bitulithic on 4 in. water rock macadam paving Walnut, Elm, Oak, Pope Sts., etc., to Peninsula Paving Co., 58 2nd St., San Francisco, $24,-539 and $104,347 respectively. Noted Oct. 28.

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AMERICA NEEDS MORE GARAGES IN HER CITIES

A Civic Necessity —more parking garages

Here is one in Boston — Bowdoin Square Garage, Ralph Harrington Doane, Architect

WHEN private capital can be invested for satisfying profit, and at the same time accomplish civic good, many investors must be interested. A 500-car garage will house the parked cars that now line the curb on both sides of the street for twelve city blocks—a half mile of street automatically widened for two more lines of *moving* traffic. That is the public benefit!

But there is also private gain! The garage, wisely located, planned for efficiency and competently managed, will yield a net return on the investment which is, at the least, as high as that from any other type of building. Design and building commissions await the man who presents the idea to those who can act on it. We can present helpful suggestions as to how such a project may be financed.

Let us send you "Building Garages for Profitable Operation" as a brief survey of the possibilities of modern mid-city garage.

RAMP BUILDINGS CORPORATION

21 East 40th Street New York, N. Y.

GARAGE ENGINEERS

CONSULTANTS ON PROMOTION AND GARAGE OPERATION

Streets and Roads (Continued)

Calif., San Diego — Bd. Supervs. San Diego Co., to G. R. Daley, 4430 Boundary St., improving Rolando Unit 2, 36,421 cu.yd. excav. at $1.30 per cu.yd., 277,172 sq.ft. 5 in. Warrenite paving $0.183, 77,146 sq.ft. cement sidewalk $0.22, and 15,914 lin.ft. curbing $0.65, etc., total $199,877.

Calif., Santa Barbara—Santa Barbara Co. will pave with 6 in. oil macadam approximately 3,200 lin.ft. Stanwood Dr. and Sycamore Canyon, by force account. O. H. O'Neill, Santa Barbara, co. surv.

Calif., Santa Cruz — Santa Cruz Co., grading, etc., 40,000 cu.yd. Sect. 1, Bodfish Canyon Rd., to Stanley Constr. Co., Palo Alto, $25,672. Noted Nov. 4.

Calif., Signal Hill (mail Burnett)—Concrete walks, asphaltic concrete paving, etc. portions Cherry Ave., to S. Finley, 204 East 4th St., Santa Ana, $39,705.

Calif., Stockton — Grading, etc. 93,175 sq.ft. Miner Ave., to J. E. Johnston. Weber Ave. and E St., $23,941. Noted Oct. 14.

Calif., Stockton—E. D. Graham, clk. San Joaquin Co., grading, etc., 8,000 cu.yd. Union Rd., to W. Moreing, Harris Bldg., $35,615.

Buildings—Commercial

Proposed Work

Me., Belfast—BANK—City Natl. Bank, Church and Main Sts., plans bank, Church and Main Sts. $150,000. Engineer and architect not selected.

Me., Bingham—BANK—Augusta Trust Co., F. E. Macomber, pres., having preliminary plans prepared by J. C. and J. H. Stevens, 477 Congress St., Portland, 1 story and basement, rein.-con. and brick bank. $150,000.

Vt., Brattleboro — HOSPITAL — Brattleboro Retreat for Insane, H. G. Ripley, doctor, having sketches made 2 and 3 story and basement, brick addition, Linden St. $150,000.

Mass., Boston — STORE and APARTMENT — E. J. Ball, 40 Court St., having plans prepared by J. F. Cullen, 29 Newbury St., 6 story and basement, rein.-con. and brick, Marlboro St. and Massachusetts Ave. $160,000.

Mass., Boston — STORE and APARTMENT—E. C. Donnelley, 3134 Washington St., Roxbury, having plans prepared by J. F. Cullen, 29 Newbury St., 4 story and basement, rein.-con. and brick, plain foundation, Massachusetts Ave. between Marlboro St. and Commonwealth Ave., here. $150,000.

Mass., Bridgewater—HOSPITAL—Town, Bd. Selectmen plans hospital. To exceed $150,000. Engineer and architect not selected.

Mass., Cohasset—TOWN HALL—Town, c/o C. M. Baker, archt., 25 Arch St., Boston, having revised plans prepared 2 story and basement, brick and stone, plain foundation. $150,000. Former bids rejected. Noted Nov. 11.

Mass., Haverhill — MERCANTILE — A. Carbone, 5 Water St., having plans prepared by R. K. Newcomb, 28 Vine St., 3 story and basement, brick and steel, plain foundation, Bridge and Water Sts. $160,000.

Mass., Newton (Ind. br. Boston)—HALL—City, E. O. Childs, mayor, having preliminary sketches made by Lockwood, Greene & Co., 18 Federal St., Boston, city hall, West Newton Sect. $150,000 or more. Engineer and architect not selected.

Mass., North Attleboro—HOTEL—North Attleboro Hotel Co., E. Mason, pres., 558 Mt. Hope Ave., taking bids 4 story and basement, brick and steel, plain foundation, Washington Sq. $200,000. J. D. Leland Co., Statler Bldg., Boston, archts. Noted Oct. 7.

Mass., Quincy (Boston P. O.)—APARTMENT—Owner, c/o G. H. Eggleton, archt., Oak St., Braintree, having plans prepared 3 story and basement, 80 x 100 ft., brick and stone, plain foundation, Elm and Bostor Sts., here. $150,000.

Mass., Roxbury (Boston P. O.) — APARTMENT—D. Saklad, 108 Pemberton Bldg., Boston, having plans prepared by S. E. Moffie, 51 Cornhill, Boston, 5 story and basement, 80 x 400 ft., brick, stone, and steel, plain foundation, Seaver St., here. $900,000.

Mass., Salem—THEATRE—North Shore Realty Co., D. Donahue & M. E. Sullivan, 178 Essex St., plans theatre, Essex, Church and Peters Sts. To exceed $150,000. Engineer and architect not selected.

Mass., Springfield — BUSINESS—Bondi Bros., 101 Lyman St., having plans prepared 5 story and basement, brick and stone, plain foundation, Lyman and Chestnut Sts. $150,000 or more. Private plans.

Mass., Watertown — THEATRE and STORE—Owner c/o W. W. Drummey, archt., 80 Boylston St., Boston, having preliminary sketches made 1 and 2 story, brick and stone, plain foundation. $160,000.

R. I., Providence—INSTITUTE—Knight Realty Co., 1 Custom House Bldg., having plans prepared by E. L. Tilton, engrs. and archts., 141 East 45th St., New York City, woman's institution building, Princeton Ave. and Buckley St. $300,000.

Conn., East Hartford (br. Hartford) — THEATRE, STORE and OFFICE—Amusement Realty Corp. of East Hartford, c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, Mass., having revised plans prepared 2 story and basement, brick and steel, plain foundation, Bissell and Main Sts. To exceed $150,000. Noted Oct. 28.

Conn., Hartford—FIRE STATION—City, Firt Dept., 275 Pearl St., having plans prepared by E. Sets & Frid, 15 Lewis St., 2 story, 65 x 95 ft., brick and steel. $150,000.

Conn., New Britain—TEMPLE—Masonic Temple Corp., S. Raymond, chn. building com., having plans prepared by W. P. Crabtree, 272 Main St., 2 story and basement, brick and stone, Russell St. $160,000. Noted Oct. 28.

Conn., Norwalk—Y. M. C. A., D. E. Nash, chn. com. Seaside Pl., East Norwalk, plans new building. $400,000 funds raised. Engineer and architect not selected.

N. Y., Binghamton — EMPLOYEES' HOME—State Hospital Comn., Capitol, Albany, takes bids in February, employees' home at Binghamton State Hospital, here. S. W. Jones, Albany, state archt.

N. Y., Binghamton—STAFF BUILDING—State Hospital Comn., Capitol, Albany, takes bids probably in January, staff building, at Binghamton State Hospital, here. S. W. Jones, Albany, state archt. Noted Oct. 28.

N. Y., Helmuth—STAFF ACCOMMODATIONS—State Hospital Comn., Capitol, Albany, takes bids probably in December, staff accommodations at Gowanda State Hospital, here. S. W. Jones, Albany, state archt.

N. Y., New York—APARTMENT—Crota Realty Corp., c/o Meisner & Uffner, archts., 565 East Trenton Ave., having plans prepared 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, Watson Ave. $250,000.

N. Y., New York—APARTMENT—F. L. Davenberg, 100 William St., soon takes bids 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, Goerck St. $350,000. Sommerfield & Sass, 31 Union Sq., archts.

N. Y., New York — APARTMENT — Gerchon Realty Co., c/o J. M. Felson, archt., 250 West 57th St., having plans prepared 6 story, 85 x 200 ft., brick, steel and stone, plain foundation, 570 West 204th St. $250,000.

N. Y., New York — APARTMENT — Horstzmann & Kozran, c/o Glick & Duma, archts., 375 East Fordham Rd., having plans prepared 6 story, brick, steel and stone, plain foundation, Davidson Ave. $300,000.

N. Y., New York — APARTMENT — Sigmund Winick, 2061 Bway., plans 6 story, 100 x 175 ft., brick, steel and stone, plain foundation, University Ave. $500,000. Engineer and architect not selected.

N. Y., New York — HOSPITAL and DORMITORY—City of New York, Bellevue & Allied Hospitals, J. J. McGrath, pres., 26th St. and 1st Ave., having plans prepared by McKim, Mead & White, 101 Park Ave., 7 story, 120 x 140 ft., brick, steel and stone, plain foundation, 26th to 29th Sts., 1st Ave. and East River. $750,000.

N. Y., New York—OFFICE—Alexander Wilson Co., 280 Madison Ave., soon takes bids 18 story, brick, steel and stone, plain foundation, 274-276 Madison Ave. $650,000. Sloan & Robertson, 441 Lexington Ave., engrs. and archts.

N. Y., New York—THEATRE—Loews, Inc., 1540 Bway., soon takes bids brick, steel and stone, plain foundation, East 4th St. $350,000. T. W. Lamb, 644 8th Ave., archt. Noted Aug. 5.

N. Y., Ogdensburg—STAFF ACCOMMODATIONS, etc. — State Hospital Comn., Capitol, Albany, takes bids probably in January for staff accommodations, and probably in December for high pressure steam lines, at the St. Lawrence State Hospital, here. S. W. Jones, Albany, state archt.

N. Y., Syracuse — EXCHANGE — New York Telephone Co., 140 West St., New York City, having plans prepared by McKenzie, Voorhees & Gmelin, 342 Madison Ave., New York City, 6 story and basement, 122 x 131 ft., rein.-con., brick and steel, plain foundation, South State St., here. $550,000.

N. Y., Syracuse — HOSPITAL and NURSES HOME—W. A. Dyer, chn. Popular Subscription Campaign Com., 995 James St., having plans prepared by J. R. Pope, 542 5th Ave., New York City, and D. J. Baum, Spuyten Duyvil Parkway and Waldo Ave., New York City, 10 story and basement, 50 x 220 ft. hospital, also 6 story and basement, 50 x 170 ft. nurses home, rein.-con., brick and steel, plain foundations, Irving Ave. $2,500,000.

N. Y., Syracuse—HOTEL—F. J. Cregg, City Bank Bldg., having plans prepared by G. A. Young, McCarthy Bldg., 9 story and basement, 50 x 74 ft., rein.-con., brick and steel, plain foundation, West Jefferson St. $230,000.

N. Y., Syracuse—OFFICE—W. H. Peters, Larned Bldg., having plans prepared by P. Wolter, 349 Fellowa Ave., remodeling and additions to top present 5 story office building, Warren St. $200,000.

N. J., Elizabeth—OFFICE—F. A. Barry, archt., Real Estate Bldg., Phila., Pa., soon lets contract 5 story and basement, 60 x 147 ft., rein.-con., brick and stone, plain foundation, here, for M. M. Martin, c/o architect.

N. J., Jersey City—APARTMENT—R. B. Morrison, 160 Pearl St., New York City, having plans prepared by Dodge & Morrison, engrs. and archts., 160 Pearl St., New York City, 5 story, 35 x 144 ft., brick, steel and stone, plain foundation, Bond St. and Stuyvesant Ave., here. $200,000.

Pa., Phila.—OFFICE and THEATRE—Fox Film Corp., 16th and Market Sts., having preliminary plans prepared by C. H. Crane, 542 Griswold St., Detroit, Mich., 15 story and basement, 176 x 248 ft., rein.-con., brick and steel, 17th and Market Sts. $5,000,000.

Pa., Pittsburgh — STORE and APARTMENT—I. Simon & E. J. Garfunkel, c/o Marks & Konn, archts., Home Trust Bldg., having plans prepared and take bids about Jan. 1, 6 story and basement, Morewood St. and Center Ave.

Pa., Willow Grove—HOME—Jewish Convalescent Home, Andalusia, having plans prepared by L. B. Rothschild, 215 South Broad St., Phila., 3 story and basement home, on Welsh Rd. near here. $250,000.

N. C., Greensboro — OFFICE — C. C. Pierce, Princess Ann Rd. and Hampton Blvd., Norfolk, Va., plans 9 story and basement, 60 x 120 ft. office building, here. $600,000.

Tenn., Jackson — HOTEL — Southern Hotel Co. having plans prepared by R. H. Heavenor, Jackson, and takes bids about Jan. 1, 8 story and basement, brick addition. $300,000.

Tenn., Nashville — CITY HALL and MARKET — City plans election bonds to exceed $800,000, city hall and market. H. E. Howse, mayor. Noted Mar. 5 and 12.

O., Ashtabula — CHILDREN'S Home — Ashtabula Co. voted $175,000 bonds, 3 story children's home, brick, steel and concrete. Noted Sept. 9.

O., Cleveland—AUTO DISPLAY ROOM and OFFICE—J. Laronge, Union Trust Bldg., plans 2 story, brick, Euclid Ave. east of Ford Dr. $150,000. Engineer and architect's names withheld.

O., Columbus — APARTMENT — LeRoy Latham, 5 Price Ave., having plans prepared by G. Griebal, 88 North Front St., 3 story and basement, 160 x 170 ft., brick, concrete and stone, North High St. $400,000.

O., Columbus — COURT HOUSE and HOME — Bd. Comrs. Franklin Co., O. Moore, clk., having plans prepared by W. H. Tremaine, Chamber of Commerce, extending 3rd floor through court rooms, 2 story, stone addition, South High St.; also 2 story and basement, 50 x 150 ft., brick and concrete home addition. $200,000 each.

O., Portsmouth — CITY HALL and PRISON — Defeated $400,000 bonds, new city hall and prison. Noted Sept. 9.

O., Portsmouth—COURTHOUSE—Scioto Co., voted $200,000 bonds, new courthouse.

O., Uhrichsville — HOTEL—Uhrichsville Hotel Co., takes bids about Dec. 16, 4 story and basement, 70 x 120 ft., brick, steel and rein.-con. hotel. $200,000. Caldwell & Pruitt, 622 Peoples Bank, Indianapolis, Ind., archts.

Ind., Bloomington—LODGE—B. P. O. E. 446, having plans prepared by McGuire & Shook, 941 North Meridian St., Indianapolis, rein.-con., brick and stone lodge, here, $150,000.

Ind., Crown Point—HOSPITAL—Comrs. Lake Co. having preliminary plans prepared by K. D. Norris, East Chicago, 48 room hospital for tuberculosis. $160,000.

Ind., Indianapolis — INSTITUTION — Indiana Natl. Guard, State House, having plans prepared rein.-con., brick and steel institution. $665,000. Engineer and architect not selected.

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Buildings—Commercial (Continued)

Ind., South Bend—COLISEUM—Coliseum Co., Inc., G. A. Farabaugh, secy., 304 Union Trust Bldg., having plans prepared by Kervick & Fagan, 208 Poledor St., 1 story and basement, 166 x 300 ft., rein.-con., brick and steel amusement coliseum and artificial ice skating balcony, Michigan and Marion Sts. $400,000.

Mich., Detroit — APARTMENT — J. Kasurin, archt., 502 Empire Bldg., takes bids about Nov. 20, 4 story and basement, 50 x 127 ft., brick, steel and stone, plain foundation, Philadelphia Ave. $200,000. Owner's name withheld.

Mich., Detroit—HOTEL—C. D. Lundblad, archt., 4070 Fort St. W., preparing plans 6 story and basement, 50 x 180 ft., rein.-con., brick and steel, plain foundation. $400,000. Owner's name withheld.

Mich., Pontiac—THEATRE and OFFICE—Kleist Amustment Co., having plans prepared by G. Bachman, Flint, 10 story and basement, rein.-con., brick and steel, plain foundation. $750,000.

Ill., Chicago—APARTMENT—H. Zisook, 1209 East 55th St., takes bids about Dec. 12, 3 story and basement, 130 x 230 ft., rein.-con. and brick, Lake Park Ave. near 47th St. $750,000. T. R. Bishop & Son, 35 South Dearborn St., archts.

Ill., Chicago—APARTMENT and STORE—T. R. Bishop & Sons, archts., 35 South Dearborn St., prepared plans 3 story, 125 x 193 ft., Spaulding and Milwaukee Sts. $400,000. Owner's name withheld.

Ill., Chicago — APARTMENT—McNally, Quinn & Co., archts., 8 South La Salle St., soon takes bids 18 story and basement, 50 x 257 ft., 5861-63 Sheridan Rd., for C. Wishnack, 112 South Wells St. $1,500,000.

Ill., Chicago—HOTEL—Syndicate, c/o J. Cohen & Co., archts., 160 North La Salle St., having preliminary sketches made 10 story and basement, rein.-con., brick and terra cotta, on 50 x 250 ft. site, 2736 Hampton Court. $670,000.

Wis., Kenosha—ARMORY and AUDITORIUM — New Association (being formed), c/o J. D. Alexander, 570 Elizabeth St., having preliminary plans prepared by Lindl & Schutte, 82 Wisconsin St., Milwaukee, 2 story and basement, brick and concrete, plain foundation, here. $150,000.

Wis., Kenosha—CLUB HOUSE—Kenosha Aerie 1055, F.O.E., c/o C. C. Ryan, chn. building com., Pub. Serv. Bldg., having revised plans prepared by Lind & Schutte, 82 Wisconsin St., Milwaukee, and takes bids after Jan. 1, 2 story and basement, 100 x 102 ft., rein.-con. and brick addition, plain foundation, here. $150,000.

Wis., Milwaukee—STORE and APARTMENT—I. H. Benesch, 583 Jefferson St., having preliminary plans prepared by A. H. Kenney, 583 Jefferson St., 3 or 4 story and basement, 120 x 127 ft., brick, tile and concrete, Van Buren St. $150,000.

Wis., Racine — APARTMENT — I. H. Benesch, 583 Jefferson St., Milwaukee, having plans prepared by A. H. Kenney, 583 Jefferson St., Milwaukee, 3 story and basement, 60 x 100 ft., brick and steel, plain foundation, here. $150,000.

Neb., Omaha — HOSPITAL — Clarkson Memorial Hospital, 21st and Howard Sts., plans 175 bed hospital, 42nd and Dewey Sts. $300,000. Engineer and architect not selected.

Neb., Omaha — HOSPITAL — Swedish Mission Hospital, 3706 North 24th St., having plans prepared by E. F. Schreiber, 601 Peters Trust Bldg., 3 story and basement, brick and stone addition. $150,000.

N. D., Devils Lake—COURT HOUSE—Ramsey Co. defeated $300,000 bonds, 3 story and basement court house. J. A. Kramer, aud. Noted Oct. 14.

Mo., Kansas City—BANK—New England Natl. Bank & Trust Co., 10th St. and Baltimore Ave., having plans prepared by Keener & Simpson, 1005 Land Bank, rein.-con. and brick bank building. $1,000,000. Noted May 20.

Mo., St. Joseph—STORE and OFFICE—J. H. Cooper, 390 Riverside Dr., New York City, N. Y., had plans prepared by Boller Bros., 110 West 10th St., Kansas City, and soon takes bids 2 story and basement, 63 x 140 ft., rein.-con., brick and terra cotta, here. $150,000. Noted Oct. 7.

Mo., St. Louis—CLUB HOUSE—Missouri Athletic Assn., c/o W. W. Smith, 1st Natl. Bank Bldg., Bway. and Locust St., having preliminary plans prepared 2 story, rein.-con., brick and terra cotta club, and 18 hole golf course, North Hill. $600,000. Private plans.

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Ark., Little Rock — Little Rock Y. M. C. A., J. B. Whitee, secy., 5th and Scott Sts., takes bids about Jan. 8, 4 story and basement, 48 x 78 ft. gymnasium, 20 x 60 ft. swimming pool, rein.-con., brick and terra cotta, 6th and Bway. Sts. $240,000. Mann & Stern, 705 A. O. U. W. Bldg., archts.

Tex., Beaumont — CITY HALL and AUDITORIUM—City, c/o O. J. Bloyd, city mgr., having plans prepared by F. W. Steinman & Son, 411 San Jacinto Life Bldg., 2 story and part basement, rein.-con., brick and stone, plain foundation. $300,000. Noted Oct. 28.

Tex., Beaumont—FIRE STATION—City, c/o O. J. Bloyd, city mgr., having plans prepared by Livesay & Wedeman, 607 San Jacinto Life Bldg., 2 or 3 story, rein.-con., brick and tile, plain foundation. $150,000. Noted Oct. 28.

Tex., San Antonio—BUSINESS—Smith Bros. Properties, Inc., 431 South St. Marys St., plans 12 story and basement, brick, rein.-con. and steel, Villita and St. Marys St. $350,000 or more. Engineer and architect selected soon. Household Furniture Co., West Commerce St., lessee.

Tex., San Antonio—HOTEL—Smith Bros. Properties, Inc., 431 South St. Marys St., having plans prepared by A. B. & R. M. Ayres, c/o Bedell Bldg., 12 story, rein.-con. brick and stone addition to Plaza Hotel, plain foundation, St. Marys St. on Bowens Island. $300,000. Noted Nov. 4.

Tex., San Antonio—HOTEL, CLUB and THEATRE—San Antonio Turn Verein, c/o A. Von Jess, secy., having plans prepared by L. Harrington & Co., c/o Builders Exch. Bldg., and takes competitive bids about April 1, 12 story and basement, 80 x 80 x 120 ft., rein.-con., brick, terra cotta hotel, Houston, Nacogdoches and 3rd Sts., $700,000; 4 story, 70 x 216 ft., brick, terra cotta and steel club, $450,000; also 2 or 3 story, steel, concrete, brick and terra cotta theatre, 1,200 seating capacity, $150,000. Noted Oct. 14.

Tex., Waco—HOTEL—Lang & Witchell, archts., 300 Amer. Exch. Bank Bldg., Dallas, soon takes bids 12 story, 200 room, brick and stone, 9th and Franklin Sts., here, for O. H. Cross, $700,000. Noted May 6.

Tex., Waco — HOTEL — O. H. Cross having plans prepared by Lang & Witchell, 300 Amer. Exch. Bank Bldg., Dallas, 12 story and basement, 200 room, rein.-con., brick and steel, 5th and Franklin Sts. $700,000.

Okla., Oklahoma City—HOSPITAL—Westley Hospital, 300 West 12th St., had plans prepared by Hawk & Parr, Cotton Exch. Bldg., and soon takes bids 4 story and basement, 42 x 90 ft. hospital. $150,000. Noted Dec. 17.

Okla., Shawnee—HOTEL—Walcott Hotel Co. having preliminary plans prepared by Hughes, Mitchell & Quinn, Nebraska Bldg., 4 story and basement, 75 x 140 ft., rein.-con. and brick, plain foundation. Broad St. $300,000.

Okla., Tulsa—COLISEUM—Dager Bros., 839 South Wheeling St., plans rein.-con., brick and steel coliseum, 7,500 seating capacity. $200,000. Private plans.

Colo., Denver—THEATRE—T. S. Jones, 98 South Bway., having plans prepared by L. A. Des Jardins, Colorado Natl. Bank Bldg., 75 x 125 ft., steel, brick, concrete and tile, 40 ft. high, 2nd St. and Bway. $150,000.

Wash., Seattle — CITY-COUNTY — City and King Co. voted $1,565,000 bonds, constructing 4 story addition, James St. and 3rd Ave. Noted Oct. 21.

Calif., Berkeley—STORE—J. F. Hink & Son, Kittredge Ave. and Shattuck St., had plans prepared by W. H. Ratcliff, Jr., Chamber of Commerce Bldg., 2 story, rein.-con. annex. $150,000.

Calif., Beverly Hills — HOSPITAL — Beverly Hills Hospital and Sanitarium having plans prepared by Gable & Wyant, 634 South Western Ave., Los Angeles, part 3 and 5 story, rein.-con. hospital. $450,000. Noted Sept. 30.

Calif., Los Angeles—APARTMENT—I. W. Parker, 213 Speedway, Beverly Hills, having plans prepared by W. W. Smith, 1242 Keniston St., 5 story, 60 x 125 ft., brick, stucco and cast stone, Normandie Ave. $150,000.

Calif., Los Angeles — STATE OFFICE BUILDINGS—State voted $1,250,000 bonds, office buildings, here. Noted Apr. 30.

Calif., Modesto—CLUB—Stanislaus Co. defeated $287,500 bonds, American Legion Memorial Club buildings.

Calif., Modesto — COURTHOUSE — Stanislaus Co. defeated $800,000 bonds courthouse. Noted June 3.

Calif., Redding—HOSPITAL—Shasta Co. plans election $150,000 or more bonds hospital.

Calif., Sacramento — CAPITOL — State voted $1,250,000 bonds, completing state capitol annex. Noted Apr. 30.

Calif., Sacramento — HOTEL — W. C. Keating, Forum Bldg., plans 6 story and basement, fireproof, J St. $175,000.

Calif., Sacramento — THEATRE — Orpheum Theatre Circuit, O'Farrell St., having plans prepared by G. A. Lansburgh, 140 Montgomery St., San Francisco, theatre, approximately 2,500 seating capacity, J St. near 11th St. $800,000.

Calif., San Francisco — HOSPITAL — Stanford University Hospital, Clay and Webster Sts., having plans prepared by Bakewell & Brown, 251 Kearny St., fireproof annex, vicinity Clay and Webster Sts. $150,000 or more.

Calif., San Francisco — HOTEL — Y. M. C. A., Golden Gate Ave. and Leavenworth St., having plans prepared by F. H. Meyer, 742 Market St., 15 story and basement, brick, steel and rein.-con., Turk St. near Leavenworth St. $800,000.

Calif., San Francisco—SANITARIUM—Dante Sanitarium, Bway. and Van Ness Ave., had plans prepared by G. A. Applegarth, Claus Spreckels Bldg., 3 story and basement, rein.-con. addition, Bway. near Van Ness Ave. $350,000.

Calif., San Francisco — THEATRE — Capitol Co., Bank of Italy Bldg., had plans prepared by H. A. Minton, Bank of Italy Bldg., and T. W. Lamb, 644 8th Ave., New York City, N. Y., theatre, 5,200 seating capacity, Hayes, Larkin, Polk and Market Sts. $1,650,000. Structural steel contract to U. S. Steel Products Co., Rialto Bldg. H. L. Nishkian, Underwood Bldg., Los Angeles, engr. Noted Oct. 1.

Calif., San Jose—AUDITORIUM—Defeated $750,000 bonds, auditorium. Noted Oct. 7.

Calif., Santa Rosa—HOTEL and CLUB—Sonoma Properties Co., 58 Sutter St., San Francisco, plans rein.-con. and timber hotel, also plaster and frame club house, golf links, on Bigelow Ranch. $330,000.

Calif., Venice—CLUB—Los Angeles Surf Club, Los Angeles, having plans prepared by O. Clark, Chapman Bldg., Los Angeles, brick club, Central Pier. $200,000.

Que., Montreal—OFFICE—I. E. Aldred Co. Ltd., 107 St. James St., having plans prepared 10 story, rein.-con., Place d'Armes St. $750,000. Engineer and architect's names withheld.

Ont., Oshawa—HOTEL—G. W. Myles & C. B. Dolphin, archts., 10 Leader Lane, Toronto, soon take bids 4 story and basement, 50 room hotel, here. $150,000. Owner's name withheld.

Ont., Ottawa—HOTEL—Canadian Natl. Rys., 230 St. James St., Montreal, Que., C. S. Gzowski, ch. engr. constr., having plans prepared by Warren & Wetmore, 16 East 47th St., New York City, and J. Schofield, associated archt., McGill St., Montreal, Que., and soon takes bids rein.-con., brick, steel and stone addition to Chateau Laurier Hotel, plain foundation, Rideau St., here. Noted Sept. 30.

Ont., Toronto—GARAGE and SHOWROOM — Natl. Automobile Parts, 29 Terauley St., having plans prepared by G. W. Hunt, Confederation Life Bldg., 2 or 3 story and basement, 33 x 121 ft., rein.-con., brick and steel, plain foundation, Gresvenor and Bay Sts. $150,000.

Ont., Toronto—HOTEL—Elliot Bros., Elliot House, having plans prepared by W. F. Sparling Co., Metropolitan Bldg., 12 story and basement, 112 x 112 ft., rein.-con., brick and steel, plain foundation, Shuter and Church Sts. $500,000. Noted Nov. 4.

B. C., Victoria—STUDIO—Famous Players-Lasky Corp., 485 5th Ave., New York City, N. Y., and 111 Bond St., Toronto, Ont., making preliminary plans motion picture studio, here. $450,000.

Bids Desired

Mass., Boston — STORE and APARTMENT—H. O. Apthrop, 60 State St., Boston, taking bids 5 story and basement, brick and stone, plain foundation, 477 Commonwealth Ave. $200,000. J. R. Ward, 9 Cornhill, Boston, archt. Noted Nov. 11.

Mass., Cambridge (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Everett (br. Boston) — APARTMENT—See "Contracts Awarded."

Mass., Lynn—STORE and OFFICE—See "Contracts Awarded."

Buildings—Commercial (Continued)

Mass., Lynn—STORE and APARTMENT—Bemertgis & Tsakeres, 751 Western Ave., taking bids 3 story and basement, brick and stone, plain foundation, Western Ave. $150,000. G. A. Cornet, 10 Central Ave., archt.

Mass., Roxbury (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Salem—WAREHOUSE and LABORATORY—L. Pedrick, 9 Ocean Ave., taking bids 3 story, rein.-con. and brick, plain foundation, Washington St. $150,000. W. Chapman, 15 Ashburton Pl., Boston, archt.

N. Y., Long Beach—APARTMENT HOTEL—See "Contracts Awarded."

N. J., Atlantic City — CONVENTION HALL — Dec. 2, by Bd. City Comrs., City Hall, convention hall, here. Former bids rejected. Lockwood, Greene & Co., 24 Federal St., Boston, Mass., engrs. Noted Nov. 11.

Pa., Llanerch (mail Upper Darby)—APARTMENT—R. R. Neely, archt., 2301 Spruce St., Phila., taking sub-bids 3 story and basement, 82 x 150 ft., rein.-con., brick and steel, plain foundation, here. Owners name withheld. Noted Nov. 4.

Pa., Phila. — STORE — Nov. 22, by H. Holmes, archt., 1630 Penobscott Bldg., Detroit, Mich., 2 story and basement, 40 x 96 ft., brick and steel, plain foundation, 1640 Ridge Ave., here, for S. S. Kresge Co., Kresge Bldg., Detroit, Mich.

Pa., Pittsburgh—HOSPITAL—Nov. 23, by City Controller, altreing and constructing 1 and 2 story addition, Leach St., for Dept. Pub. Health, c/o C. J. Vaux, dir. $250,000. City Architect, N. S. Municipal Bldg., archt.

O., Cleveland—BANK, STORE, SUITES and OFFICE—Nov. 20, by H. L. Shupe, archt., 12429 Cedar Rd., 2 story and basement, 60 x 160 ft., brick, West 130th St. and Lorain Ave., for Lorain Street Savings & Trust Co., J. A. Melcher, Lorain Ave. and Fulton Rd., pres. $150,000.

O., Lakewood (br. Cleveland) — COMMERCIAL and APARTMENT—M. Heldman, 1092 East 97th St., Cleveland, taking bids 3 story and basement, 63 x 130 ft., brick and steel, 15026 Madison Ave. $150,000. M. Weis, 617 Union Bldg., Cleveland, archt.

O., Shaker Heights (Cleveland P. O.)—APARTMENT—M. Lees, 2268 Ardleight Rd., Cleveland, taking bids 3 story and basement, 44 x 137 ft., brick, Storer Ave. $250,000. M. Weis, 1836 Euclid Ave., Cleveland, archt. Noted Nov. 4.

Ind., Whiting—HOTEL—E. Dubeck, c/o H. Warriner, archt., 673 Bway., Gary, taking bids 3 story and basement, 60 x 125 ft., brick and steel hotel, here. $175,000.

Mich., Detroit—CLUB—League of Catholic Women, 89 Watson St., taking bids 6 story and basement, 111 x 132 ft., rein.-con. and brick, plain foundation, Parsons St., and Cass Ave. Smith, Hinchman & Grylls, 800 Marquette Bldg., archts.

Mich., Detroit — Malcolmson & Higginbotham, archts., 1217 Griswold St., taking bids 5 story and part basement, 160 x 200 ft., rein.-con., brick and steel, plain foundation, incl. swimming tank, Clark Park, for Y. M. C. A., A. G. Studer, secy. $750,000.

Ill., Chicago—APARTMENT—E. Grossman, archt., 105 West Monroe St., taking bids 6 story, 50 x 150 ft., rein.-con., brick and stone, 5954 Winthrop Ave., for Fifty-Nine-Fifty-Four Winthrop Avenue Building Corp., c/o architect. $250,000.

Ill., Chicago—APARTMENT—E. Grossman, archt., 105 West Monroe St., taking bids 6 story, 50 x 150 ft., rein.-con., brick and stone 5959 Kenmore Ave., for Fifty-Nine-Fifty-Nine Kenmore Avenue Building Corp., c/o architect. $250,000.

Ill., Chicago—APARTMENT and STORE—H. Zisook, 1209 East 55th St., taking bids 3 story, 75 x 125 ft., brick, North Ave. near Austin Rd. $175,000. T. R. Bishop & Son, 35 South Dearborn St., archts.

Ill., Chicago — APARTMENT — Rissman & Hirshfeld, archts., 64 West Randolph St., taking bids 9 story, 100 x 139 ft., rein.-con. stone, iron and terra cotta, Pratt Blvd. and Lakewood Ave. $1,000,000 incl. site. Owner's name withheld.

Ill., Chicago—Berlin & Swern, archts., 19 South La Salle St., taking bids 10 and 12 story and basement, 150 x 150 ft., X shaped, brick and stone, Dearborn and Oak Sts., for Y. W. C. A., 59 East Monroe St. $1,000,000. Noted Dec. 17.

Ill., Oak Park — APARTMENT and STORE — H. Zisook, 1209 East 55th St., Chicago, taking bids 3 story, 114 x 125 ft., brick, North and Taylor Aves. here. $200,000. T. R. Bishop & Son, 35 South Dearborn St., Chicago, archts.

Wis., Milwaukee—APARTMENT HOTEL—Nov. 24, by M. Tullgren & Sons, archts., 9 Waverly Pl., 5 story and basement, 100 x 200 ft., brick, concrete, steel and terra cotta, plain foundation, Grand Ave. and 35th St., for A. J. Straus, 230 Grand Ave. $500,000. Noted Nov. 11.

Wis., Oshkosh—THEATRE and BUSINESS—Nov. 23, by Wolff & Mamsthal, archts., 453 Mitchell St., Milwaukee, 3 story and basement, 112 x 215 ft., brick, concrete and terra cotta, plain foundation, Main St., for Fischer Paramount Theatres, 36 South State St. $350,000. Noted Oct. 28.

Ia., Sioux City—THEATRE and OFFICE—Dec. 1, by Francis Building Co., A. Sanford, pres., 833 Francis Bldg., general contract 4 and 6 story, 150 x 200 ft., rein.-con., brick, steel and terra cotta, 6th and Pierce Sts. Foundation for above awarded to W. A. Klinger, 517 Warnock Bldg.; structural steel, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines; concrete pile driving, to Raymond Concrete Pile Co., 616 Huntzinger Bldg., Kansas City, Mo. Archts. total est. $1,500,000. Orpheum Circuit, lessee. Noted Oct. 7.

Calif., Los Angeles—HOTEL and STORE—See "Contracts Awarded."

Calif., Riverside — AUDITORIUM—Nov. 30, by City, 3 story and basement, 220 x 265 ft., rein.-con. auditorium, 2,000 seating capacity, 7th and Lemon Sts. $180,000-$200,000. Noted Sept. 23.

Calif., San Francisco — OFFICE and STORE — F. H. Meyer, archt., 742 Market St., taking bids 1,400 tons steel for 15 story and basement office and store building, Mission and New Montgomery Sts., for Builders Exchange, 180 Jessie St. $750,000.

Bids Received

Mass., Boston—SALES, SERVICE STATION and GARAGE — Pierce Arrow Co., 896 Commonwealth Ave., 3 story, 100 x 300 ft., rein.-con. and steel, plain foundation, from W. M. Evatt Co., 200 Devonshire St., $445,500. Noted Nov. 4.

Md., Baltimore—OFFICE—Bd. Awards, Nov. 10, 13 story, 149 x 208 ft., rein.-con., brick and steel, Holliday, Lexington and Guilford Aves., from J. Henry Miller, Inc., Eutaw and Franklin Sts. $1,498,000. Noted Oct. 28.

Calif., San Diego—CLUB—W. Wheeler, archts., Spreckels Bldg., 8 story and basement, rein.-con., 6th and A Sts., from W. G. Reed, 1914 South Vermont Ave., Los Angeles, for San Diego Athletic Club, c/o architect. Approximately $587,000. Noted Oct. 28.

FILTERS, ETC.—WEST HARTFORD, CONN.

Bids were opened by Board of Water Commissioners, Hartford, Sept. 30, for constructing two covered masonry filters, regulator house and connecting pipe lines from (A) Simpson Bros. Corp., 77 Summer St., Boston; (B) O'Neil Bros., 22 Preston St., Hartford (awarded contract); (C) Bruno & Petitti, 18 Tremont St., Boston; (D) Suburban Engineering Co., 15 West 38th St., New York. The unit bids are as follows:

	A	B	C	D
6,500 cu.yd. earth excavation	$1.25	$1.00	$1.75	$0.85
1,000 cu.yd. rock excavation	4.00	3.00	4.00	5.00
12,000 cu.yd. rolled embankment	1.25	1.50	1.50	1.00
11,500 cu.yd. general fill	1.00	1.00	1.25	1.25
4,000 cu.yd. loam (borrow and fill)	1.50	2.00	2.00	2.00
500 sq.yd. sodding	.50	.50	1.00	1.25
14,000 cu.yd. seeding and grassing	.12	.10	.10	.025
2,050 cu.yd concrete masonry, Class A	20.00	17.00	15.00	25.00
3,300 cu.yd. concrete masonry, Class B	11.50	15.00	14.00	12.30
550 cu.yd. concrete masonry, Class C	24.00	30.00	20.00	30.00
400 cu.yd. concrete masonry, Class D	10.00	5.00	10.00	8.50
35 cu.yd. brick masonry	50.00	30.00	50.00	50.00
9,350 bbl. portland cement	3.50	3.65	3.50	4.50
15 cu.yd. paving and dry rubble masonry	18.00	10.00	12.00	13.00
100 cu.yd gravel for general filling	3.00	2.00	4.00	4.50
2,000 cu.yd. special gravel for filters	4.00	3.00	4.50	5.00
8,500 cu.yd. filters sand	3.80	4.30	4.00	5.30
265 lin.ft. laying 5 in. C. I. pipe, etc. furnished by Board	1.00	1.75	1.00	2.00
700 lin.ft. laying 6 in. C. I. pipe, etc. furnished by Board	1.00	1.00	1.00	2.25
150 lin.ft. laying 24 in. C. I. pipe, etc. furnished by Board	4.00	4.00	8.00	11.00
375 lin.ft. laying 30 in. C. I. pipe, etc. furnished by Board	4.00	4.00	10.00	14.00
600 lin.ft. laying 36 in. C. I. pipe, etc. furnished by Board	5.00	4.00	12.00	18.50
140 lin.ft. laying 42 in. C. I. pipe, etc. furnished by Board	8.00	6.00	15.00	24.00
Regulator house piping (lump sum)	3,000.00	6,000.00	1,500.00	3,500.00
2,850 lin.ft. laying W. I. pipe 2 in. etc. furnished by Board	.24	.10	.50	.45
525 lin.ft. laying W. I. pipe 2½ to 4 in. etc. furnished by Board	.32	.10	1.00	.80
400 lin.ft. furnishing and laying 4 in. vitrified pipe	.40	.25	.50	.35
125 lin.ft. furnishing and laying 6 in. vitrified pipe	.72	.50	.75	.60
200 lin.ft. furnishing and laying 8 in. vitrified pipe	1.00	1.00	1.00	.80
1,400 lin.ft. furnishing and laying 10 in. split tile pipe	.50	.25	1.00	.50
1,400 lin.ft. furnishing and laying 12 in. split tile pipe	.60	.36	1.25	.65
1,875 lin.ft. furnishing and laying 15 in. split tile pipe	2.00	.45	1.50	1.20
400 lin.ft. furnishing and laying 21 in. split tile pipe	3.00	1.50	2.00	2.40
200 lin.ft. tile heating conduit	2.40	2.00	1.00	4.50
340 drains through filters roof	3.00	1.50	1.00	2.00
90,500 lb. reinforcing	.06	.07	.06	.085
39,000 lb. miscellaneous C. I., W. I. and steel (cont)	.15	.07	.12	.17
11,500 lb. miscellaneous C. I., W. I. and steel (Board)	.08	.05	.03	.03
5 M. bd.ft. installing timber work (cont.)	300.00	100.00	200.00	175.00
Regulator house building (lump sum)	16,800.00	13,000.00	22,000.00	18,000.00
Salvaging 30 in. main (lump sum)	1,800.00	1,500.00	600.00	2,000.00
Alternations in office building (lump sum)	1,200.00	1,700.00	500.00	1,100.00
Extended totals	$271,027	$272,064	$288,171	$329,220

Contracts Awarded

Me., Portland — HOTEL — Congress Sq. Hotel, 574 Congress Sq., will build 4 story and basemnet, brick annex, plain foundation, by day labor. To exceed $150,000. W. H. Rhodes, 574 Congress St., archt. J. R. Worcester Co., 79 Milk St., Boston, Mass., engr.

Mass., Arlington (br. Boston)—HOSPITAL—Symmes Arlington Hospital, 1 Summer St., 4 story and basement, brick and stone addition, plain foundation Summer St., to Arlington Constr. Co., 313 Bway. Archts. est. $150,000. Noted Oct. 14.

Mass., Boston—STORE and OFFICE—Goldfine & McDonald, 200 Devonshire St., 6 story and basement, brick and stone, plain foundation, Washington St. corner, Kneeland St., to W. & L. Eng. Co., 60 Bway. Archts. est. $150,000.

Mass., Boston—THEATRE—B. F. Keith Theatres, Bway. and 7th Ave., New York City, N. Y., altering and reconstructing Bijou Theatre, 2 story, brick, plain foundation, Washington St., here, to F. J. Lowe, 80 Boylston St. Archts. est. $150,000.

Mass., Cambridge (Boston P. O.) — APARTMENT—M. Rosenfield, 53 Hazelton St., Milton, will build 4 story and basement, brick and stone, plain foundation, 15 Linnean St. $175,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill, Boston, archt. Noted Nov. 4.

Mass., Everett (br. Boston) — APARTMENT—Rockwell & Grover, 377 Washington St., Chelsea, will build 2 and 3 story various units, brick, Elm, Englewood and Winthrop Sts., here. $350,000. Work will be done by separate contracts. Private plans.

Mass., Lowell — OFFICE and WAREHOUSE—Tide Water Oil Sales Corp., Park Sq. Bldg., Boston, 3 and 4 story and basement, brick addition, plain foundation, to W. J. Delaney, 283 Essex St., Lawrence. Archts. est. $150,000.

Mass., Lynn—STORE and OFFICE—M. Goodman, 56 Central Ave., will build 4 story and basement, brick, plain foundation, Market St. near Exchange Hall. $150,000. Work will be done by separate contracts. Private plans. Noted Oct. 28.

Mass., Revere (br. Boston)—THEATRE—J. A. DiPesa, 20 Pemberton Sq. Boston. 1 story and basement, 145 x 210 ft., brick, stone and steel, plain foundation, Bway.,

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Buildings—Commercial (Continued)

to Capabianco Constr. Co., 46 Cornhill, Boston, $155,522. Noted Nov. 11.

Mass., Roxbury (Boston P. O.) — APARTMENT — S. B. Zeltzerman, 105 Floyd St., Dorchester, will build 3 story and basement, brick and stone, plain foundation, 20-24 Deckard St., here. $150,000. Work will be done by separate contracts. S. S. Levy, 35 Court St., Boston, archt.

Mass., Somerville (Boston P. O.) — WHOLESALE GROCERY PLANT—First Natl. Stores, Inc., 384 Rutherford Ave., Charlestown, superstructure, 1 and 2 story, 500,000 sq.ft. floor space, rein.-con. and brick, Mystic Ave., to F. T. Ley & Co., 230 Boylston St. Archts. total est. $2,000,000. Noted Oct. 28.

R. I., Pawtucket—STORE and APARTMENT—J. Yoblonsky, 120 Montgomery St., 4 story and basement, brick and stone, plain foundation, Manchester St., to R. J. McIntyre & Son, 6 Fair Oaks St., Providence. Archts. est. $150,000.

R. I., Providence — TEMPLE — Masonic Temple Lodge, 1 and 2 story and basement, brick, granite and stone, Francis, Park and Brownell Sts., to A. W. Merchant Inc., Hospital Trust Bldg. Archts. est. to exceed $150,000. Noted June 17.

N. Y., Long Beach—APARTMENT HOTEL—J. Manowitz will build 100 x 200 ft., brick, steel and stone, plain foundation, Bway. and Magnolia Blvd. $750,000. Work will be done by separate contractor under supervision H. Hurwit, archt., 41 West 33rd St., New York City.

N. Y., New York—APARTMENT—G. T. Brokaw, 522 5th Ave., 13 story, brick, steel and stone, plain foundation, 5th Ave. and 79th St., to G. B. Beaumont, 475 5th Ave. Archts. est. $1,000,000.

N. Y., New York—APARTMENT—One Hundred Thirty-Three East 64th Street Corp., c/o K. Murchison, archt. and engr., 101 Park Ave., brick, steel and stone, plain foundation, 133 East 64th St., to Starrett Bros., 292 Madison Ave. Archts. est. $600,000.

N. Y., New York — APARTMENT — Rhoades Kennedy Security Corp., 342 Madison Ave., 14 story, 65 x 100 ft., brick, steel and stone, plain foundation, 34-38 East 74th St., to T. E. Rhoades Co., Inc., 342 Madison Ave. Archts. est. $800,000.

N. Y., New York — OFFICE — Title Guarantee & Trust Co., 176 Bway., altering 9 story, brick, steel and stone, 176 Bway., to Thompson-Starrett Co., 250 Park Ave. Archts. est. $400,000.

N. Y., New York — THEATRE and HOTEL — West 46th St. Corp., J. Zimmer, pres., 285 Madison Ave., 12 story, brick, steel and stone, plain foundation, 236 West 46th St., to O'Day Constr. Co., 1639 Bway. Archts. est. $750,000.

N. Y., Syracuse—OFFICE and STORE—Central Offices, Inc., 22 story and basement, rein.-con., brick and steel, plain foundation, Genesee and Warren Sts., to J. H. Taylor Constr. Co., 31 Union Sq., New York City. Archts. est. $1,000,000.

N. J., New Brunswick—HOSPITAL—St. Peters Hospital, Somerset St., 5 story and basement, rein.-con., brick and stone, here, to C. J. Smith Constr. Co., 202 Academy St., Trenton. Archts. est. to exceed $150,000. Noted Aug. 26.

Pa., McKees Rocks—THEATRE—Roxian Theatre Corp., 3 story and basement, 80 x 120 ft. theatre, Chartiers Ave., to Miller Constr. Co., Empire Bldg., Pittsburgh. Archts. est. $350,000.

Pa., Pittsburgh — APARTMENT — Aiken Apartment Corp., 606 Commonwealth Bldg., general contract 9 story and basement, 110 x 190 ft., brick, steel, terra cotta and Indiana limestone, Center and Aiken Aves., to C. F. Kramer, 411 Meade St. Archts. est. $1,000,000. Noted Sept. 30.

O., Canton—ARMORY—F. D. Henderson, adj. genl. of Ohio, State House, Columbus. 2 story armory, Schroza Ave., to Melbourne Constr. Co., 1220 9th St. N. E., $105,500. Noted Oct. 7.

O., Cincinnati—APARTMENT—St. James Realty Co., Providence Bank Bldg., 3 story and basement, 100 x 203 ft., brick and rein.-con., plain foundation, St. James St., to F. M. Erwin, Provident Bank, $300,000. Noted Sept. 16.

O., Cleveland—HOTEL—Shelton Realty Co., c/o Braverman & Havermat, archts., Ulmer Bldg., 9 story and basement, brick, steel and concrete, on 100 x 204 ft. site, East 102nd St. south of Euclid Ave., to Crowell & Little Constr. Co., Hanna Bldg. Archts. est. $1,000,000.

O., Cleveland—STORE and THEATRE—Sokol Tyrs Co., c/o J. Sebek, 3592 East 131st St., 1 story, 76 x 143 ft., brick, steel and concrete, 3685 East 131st St., to Styblo Bros., 10613 Union Ave. Archts. est. $150,000. Private plans.

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O., Cleveland—STORE and THEATRE—Greenwald & Stecher, 536 Society for Savings Bldg., 1 story and basement, 110 x 170 ft., brick, steel and concrete, East 114th St. and Union Ave., to A. Krinsky, 783 East 88th St. Archts. est. $150,000. Noted Oct. 28.

O., Dayton — LOFT — Mercantile Loft Building Corp., I. C. Brenner, pres., El Morada Apts., 415 Oxford Ave., 8 story and basement, 35 x 70 ft., brick and rein.-con., plain foundation, South Main St., to Miami Building Co., Valley Pike. $230,000. Noted June 10.

O., Shaker Heights (Cleveland P. O.)—STORE, SUITES and OFFICE—Lee-Mor Co., c/o R. F. Bingham, lawyer, 1122 Guardian Bldg., Cleveland, 3 story and basement, 82 x 148 ft., brick, steel, concrete and stone, Lee Rd. and South Moreland Blvd., here, to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Archts. est. $250,000.

Ind., Goshen—BANK, STORE and OFFICE—Salem Bank & Trust Co., general contract 2 story and basement, 66 x 181 ft., rein.-con., brick, stone and marble, to R. Sollitt & Sons, South Bend, $150,000. Noted Sept. 23.

Ind., South Bend — WAREHOUSE — Studebaker Corp., general contract 1 story, 500 x 1,000 ft., rein.-con. and steel warehouse, here, to H. G. Christman Co., South Bend. $300,000.

Ill., Chicago — APARTMENT — Envoy Apartment Hotel Corp., c/o Hall, Lawrence, Rippel & Ratcliffe, 123 West Madison St., masonry, carpentry and concrete contract 8 story and basement, 50 x 125 ft., rein.-con. and brick, 5633 Kenmore Ave., to C. E. Erickson, 4753 Bway. Archts. est. $400,000.

Ill., Chicago — CLUB, STORE and OFFICE — K. M. Vitzthum & Co., 307 North Michigan Ave., general contract 22 story and 2 basement, 90 x 189 ft., rein.-con., steel and stone, 168-170 West Adams St., to Duffy-Noonan Constr. Co., 140 South Dearborn St., for Midland Club, 25 East Jackson Blvd. Archts. est. $4,000,000. Noted June 10.

Ill., Chicago—HOTEL—R. De Goyler & Co., archts., 307 North Michigan Ave., general contract 15 story and basement, 108 x 150 ft., rein.-con., brick and stone, Goethe and North State Sts., to B-W. Constr. Co., 720 Cass St., for Thirteen Hundred and One North State Street Building Corp., J. H. Beuttas, pres., 720 Cass St. Archts. est. $2,000,000. Noted Oct. 21.

Kan., Hot Springs—HOSPITAL—Sisters of Mercy Hospital, general contract 5 story and basement, 40 x 272 ft. with 50 x 150 ft. wing, rein.-con., brick, steel and terra cotta, to Herman & McCain Constr. Co., Riegler Bldg., Little Rock. Archts. est. $750,000. Noted Nov. 4.

Kan., Pittsburg — MAUSOLEUM — Mt. Olive Cemetery Assn., general contract 1 story and basement, rein.-con., marble and limestone, to Sharp Bros., 604 Orear-Leslie Bldg., Kansas City, Mo. Archts. est. $150,000.

Tex., Amarillo — EXCHANGE — Southwestern Bell Telephone Co., 9th and Taylor Sts., 2 story (ultimately 5 story) and basement, 100 x 140 ft., brick, stone and rein.-con., to Gilsonite Contg. Co., 1214 Athletic Club Bldg., Dallas, approximately $250,000 cost plus percentage basis. Noted Oct. 7.

Tex., Edinburg—HOSPITAL—City, J. A. Moss, mayor, 3 story and basement, brick, stone, rein.-con. and steel, to W. L. Pearson & Co., Box 176, McAllen, $226,000.

Ariz., Phoenix — HOTEL, STORE and GARAGE—Pacific Hotels Co., 12 story and basement, 140 x 180 ft., rein.-con., stucco and tile, with 4 story tower, Central and Fillmore Aves., to Trewhit Shields Co.; Edwards Wildey Bldg., Los Angeles, Calif., $1,200,000.

Calif., Boyes Springs—HOTEL—Sonoma Properties Co., 58 Sutter St., San Francisco, 2 and 3 story, frame and stucco, to R. W. Littlefield, 357 12th St., Oakland, $225,000. Noted Apr. 15.

Calif., Los Angeles — APARTMENT — Cleveland Syndicate Co., 5646 Hollywood Blvd., 4 story and basement, brick, Franklin Ave., to A. B. Crist, 5646 Hollywood Blvd., approximately $155,000.

Calif., Los Angeles—CLUB—Ebell Club, c/o Hunt & Burns, archts., Laughlin Bldg., 2 story, rein.-con., stucco and cast stone, Wilshire Blvd. and Burck Pl., to Scofield Eng. Constr. Co., Pacific Finance Bldg., approximately $650,000. Noted Apr. 8.

Calif., Los Angeles—CLUB—El Sereno Country Club, 117 West 9th St., part 1 and 2 story, concrete, to Stiles Constr. Co., 5252 Lockhaven Ave., approximately $175,000.

Calif., Los Angeles—EXHIBIT—Industrial Exch. Building Corp., 13 story and basement, 120 x 150 ft., rein.-con., terra cotta and cast stone, Hill and Washington Sts., to Meyer-Holler, Wright & Ca[illegible] Bldg., approximately $325,000 or m[illegible]

Calif., Los Angeles—HOTEL and S[illegible]ORE—Troyer Bros., 812 North Kilkea Dr., will build 3 story, 50 x 244 ft., Class "C" hotel, Melrose Ave. between Gramercy and Wilton Pl., by day labor. $200,000. S. C. Lee, 531 Pec. Securities Bldg., archt. Noted Oct. 28.

Calif., Los Angeles—STORE and LOFT—W. D. Lee (owner, archt. and contractor), Textile Center Bldg., will build 6 story and basement, 90 x 150 ft., concrete, San Pedro St. $165,000.

Calif., Los Angeles — STORE and OFFICE—Title Insurance & Trust Co., Title Insurance & Trust Bldg., 10 story, basement and sub-basement, 155 x 242 ft., rein.-con. and steel, Spring St., to Scotfield Eng. Constr. Co., Pacific Finance Bldg., $2,250,000. Noted July 1.

Calif., Los Angeles—STORE and SWIMMING POOL—Whittier Boulevard Pools, Inc., 2 story, 150 x 173 ft., brick, Whittier Blvd., to Klingelsmith Corp., 934 Van Nuys Bldg., $150,000.

Calif., Sacramento — THEATRE — Granada Theatre Co., c/o Starks & Flanders, archts., Ochsner Bldg., concrete and steel, 31st and K Sts., to Valley Constr. Co., Broderick, approximately $275,000; steel, to Schrader Iron Wks., 1247 Harrison St., San Francisco. Noted Sept. 16.

Calif., San Diego—OFFICE—San Diego Medical Dental Assn., c/o F. W. Stevenson, archt., 14 story and basement, steel and concrete, 1264 3rd St., to W. Simpson Co., 210 Scripps Bldg., $675,000. Noted Sept. 30.

Calif., San Francisco — THEATRE — Ackerman & Harris, Phelan Bldg., rein.-con. theatre, 1,500 seating capacity, San Bruno Ave. near Bacon St., to Macdonald & Kahn, 130 Montgomery St., $250,000.

Ont., Toronto—HOSPITAL—St. Michaels Hospital, Victoria St., 7 story and basement, rein.-con., brick and steel, plain foundation, Victoria St. structural steel, to Dominion Bridge Co. Ltd., Reford Bldg.; masonry, to Gratton Ltd., 486 Clinton St. Archts. est. $500,000.

B. C., Vancouver—CLUB-HOTEL—Local Syndicate, c/o McCarter & Nairne, archts., 509 Richards St., 3 story, 132 x 250 ft., rein.-con., brick and tile, concrete foundation, incl. swimming pool, ballroom, etc., Beach Ave., to E. J. Ryan Contg. Co. Ltd., 445 Granville St., $500,000 cost plus percentage basis. Noted Oct. 28.

Alta., Banff—HOTEL—Canadian Pacific Ry., Windsor Sta., Montreal, Que., new wing to Banff Springs Hotel, to Carter, Hall & Aldinger, Union Bank Bldg., Winnipeg, Man., $1,500,000.

Buildings—Industrial

Proposed Work

Me., Portland—PLANT—Portland Monson Slate Co., Central Wharf, plans rebuilding 1 and 2 story plant, recently damaged by fire. $40,000 or more.

Mass., Amesbury — FACTORY — C. C. Witham, Cedar St., plans 2 story, brick addition, 23 Cedar St. $40,000. Private plans.

Mass., Boston—REPAIR and SERVICE GARAGE—Sullivan Bros., 195 Bowdoin St., Dorchester, plans rein.-con., Topliff and Bowdoin Sts. $40,000. Engineer and architect not selected.

Mass., Cambridge (br. Boston)—REPAIR and SERVICE GARAGE—I. S. Stone, 53 State St., Boston, having sketches made by Eisenberg & Feer, 46 Cornhill, Boston, 1 story, rein.-con., 367 Cambridge St. $40,000.

Mass., Dorchester (sta. Boston) — REPAIR and SERVICE GARAGE — Owner, c/o S. S. Eisenberg, archt., 46 Cornhill, Boston, having plans prepared 1 story, 75 x 190 ft., rein.-con. and steel, plain foundation, Pleasant and Hancock Sts., here. $60,000.

Mass., Everett (br. Boston) — MANUFACTURING—L. Erikson Electric Co., 7 Portland St., Boston, having plans prepared 2 story, 50 x 160 ft., rein.-con., brick and steel, plain foundation, Terminal St. and Revere Beach Blvd. $65,000. Private plans.

Conn., New Haven—PLANT—Hamilton Bottling Wks., 91 Hamilton St., having plans prepared by J. Della Valle, 341 State St., 2 story, 50 x 76 ft., brick, steel and concrete, Hamilton St. $45,000.

N. Y., Jamaica—CREAMERY—Sheffield Farms Co., 542 West 56th St., New York City, having plans prepared by F. A. Rooke, 12 East 41st St., New York City, 2 story, rein.-con. and brick, plain foundation, Garden and 130th Sts., here. $200,000.

Buildings—Industrial (Continued)

Pa., Altoona — WAREHOUSE — W. B. Smith Tire Co., W. B. Smith, pres., and J. W. Smith, mgr., 821-23 17th St., plans 3 story and basement, 120 x 154 ft., brick and concrete, Union Ave. $150,000.

Pa., Doylestown — MANUFACTURING — Ballinger Co., archts., 12th and Chestnut Sts., soon lets contract 1 story and basement, 126 x 152 ft., rein.-con. brick and steel, plain foundation, Hamilton St., for Derk Mfg. Co.

N. Y., New York—SERVICE STATION, GARAGE and REPAIR SHOP—East Fordham Syndicate, Inc., c/o T. S. Parker, archt., 280 Madison Ave., having plans prepared 2 story, 172 x 175 ft., rein.-con., brick and steel, plain foundation, Belmont Ave. $150,000.

Pa., Phila.—FREIGHT SHED—Pennsylvania R.R. Co., Broad St. Sta., having plans prepared by W. H. Cookman, Broad St. Sta., superstructure for 1 story, 110 x 600 ft., brick and steel, Delaware Ave. and Oregon St. A. C. Shand, c/o owner ch. engr. Woodpile foundation for above, awarded to Armstrong & Latta, 1926 Sansom St.

S. C., Clarks Hill—HYDRO-ELECTRIC PLANT—Savannah River Electric Power Co., Greenwood, (subsidiary Southeastern Power & Light Co. and Alabama Power Co., B. M. Bldg., Birmingham, Ala.), plans hydro-electric plant on Savannah River, near here. $20,000,000. P. S. Arkwright, pres.

N. C., Kannapolis—TOWEL FACTORY—Cannon Mfg. Co., plans 3 story and basement, 50,000 spindle capacity addition. $800,000.

N. C., Raleigh—COTTON OIL MILL—Buckeye Cotton Oil Co., Gwynne Bldg., Cincinnati, O., plans large cotton oil mill, here. $400,000-$500,000.

Fla., Monticello — COLD STORAGE, CURING and DRYING PLANT — Jefferson Co. Chamber of Commerce C. F. Leach, temporary mgr., had plans prepared cold storage, curing and drying plant, consisting of 10 ton ice plant, 2,000 gal. capacity milk cooling room, 2,000 gal. capacity pasteurizing plant, 20,000 pound capacity meat cooling room, 20,000 bu. capacity sweet potato storage house, and room for storing 2,000 cases of eggs. Plant will be erected in such units that extensions may be made as increased production requires.

Ala., Albany—TIRE FABRIC PLANT—Textile Realty Co. having plans prepared 3 story, 145 x 240 ft., rein.-con., brick and steel plant. $500,000. C. T. Main Co., Devonshire St., Boston, Mass., engrs. Connecticut Mills Co., 175 Connecticut Mills, Danielson, Conn., lessee.

Ind., Indianapolis—PRINTING PLANT—Julius Braun Printing Co., 653 Virginia Ave., had plans prepared by Southern Building Co., 330 Amer. Central Life Bldg., 1 story and basement, 80 x 140 ft., brick and steel, South Meridian and Merrill Sts. $55,000.

Ind., New Castle — PLANT — Perfect Circle Co. had plans prepared Plant 2, 2 story, 60 x 200 ft. $100,000. S. Norick, c/o owner engr.

Ill., Chicago — SHOP — Co-operative Tailors, Cleaners & Dyers, 1842 West 21st St., having plans prepared by M. E. Kroman, 134 North La Salle St., 2 story, 100 x 125 ft., brick, 1842-48 West 21st St. $50,000.

Kan., Argentine (Kansas City P. O.)—PLANT—Volcanic Ash Co. of America, 620 Kansas City Life Bldg., Kansas City, Mo., having plans prepared rein.-con. and brick plant, here. $150,000. L. Hudenrick, Kansas City Life Bldg., Kansas City, Mo., engr.

Tex., Levelland—POWER PLANT, etc.—Texas Utilities Co., Waco, having preliminary plans prepared doubling capacity power plant, and 15 ton capacity ice plant addition. $40,000. Private plans.

Tex., San Antonio—FREIGHT DEPOT—International-Great-Northern Ry. Co., C. S. Fitzpatrick, ch. engr., Union Sta., Houston, making plans new freight depot, below West Commerce St. crossing, here. $225,000. Private plans.

Tex., San Antonio—SUB-STATION and POWER PLANT—San Antonio Pub. Serv. Co., St. Marys St., purchased site and plans sub-station power plant, International Great Northern R.R. tracks and McCullough Ave. Private plans.

Calif., Berkeley — FACTORY — B. F. Sturtevant Co., Monadnock Bldg., San Francisco, having preliminary plans prepared factory, Camelia, 9th, 8th and Gilman Sts. $100,000.

Calif., Lincoln—PLANT—Lincoln Clay Products Co., Inc., plans clay products plant. $50,000.

DAM—PITTSBURGH, PA.

Bids were opened by U. S. Engineer Office, Pittsburgh, June 21, for constructing Dam No. 5, Allegheny River, from (A) Dravo Contracting Co., Dravo Bldg., (awarded contract); (B) J. F. Casey Co., Box 1753; (C) Walter S. Rae, 439 Oliver Bldg. The unit bids are as follows:

	A	B	C
633.5 lin.ft. cofferdam	$110.00	$210.00	$119.00
21,600 cu.yd. common excavation	2.20	1.75	2.00
200 cu.yd. loose rock excavation	3.00	7.00	2.00
100 cu.yd. rock excavation	5.00	10.00	3.00
13,456 cu.yd. concrete	11.00	14.00	13.00
100 cu.yd concrete paving	15.00	15.00	18.00
2,491 cu.yd. fill	1.00	1.50	.50
6,700 cu.yd. riprap	8.50	6.00	8.00
2,500 cu.yd. derrick stone	8.50	8.00	10.00
28,980 lin.ft. round piles, timber	1.00	1.50	1.00
1,472,200 lb. sheet piles steel	.05	.05	.045
202,000 ft.B.M. common timber	160.00	150.00	110.00
2,890 lb. structural steel	.15	.10	.10
51 lb. iron castings	.20	1.00	.20
17,600 lb. bolts, etc.	.10	.10	.08
185 lin.ft. 2½ in. steel pipe	.80	2.00	.40
184 lin.ft. 2 in. steel pipe	.60	2.00	.35
Extended totals	$485,884	$577,274	$495,155

Calif., Isleton—PLANT—H. J. Heinz, 217 2nd St., San Francisco, plans packing plant, here. $50,000.

Calif., Modesto — PLANT — Modesto Irrigation Dist. plans stepdown plant in connection with Hetch-Hetchy power contract with city and San Francisco Co. R. J. O'Connell, c/o owner, electrical engr.

Calif., Oakland—FOUNDRY—DeSanno Fdry. & Machine Co., 2941 East 12th St., purchased site and plans foundry, incl. machine shop departments, East 14th St. $40,000 or more.

Calif., Wilmington — REFINERY—Shell Oil Co. of California, 108 West 2nd St., Los Angeles, plans refinery, here. $1,000,000 or more for 1st unit (ultimate expenditure $6,500,000). Private plans.

Ont., Guelph — STOVE FACTORY — Guelph Stove Co., York Rd., having plans prepared by Mahoney & Austin, Quebec St., 1 and 2 story, rein.-con., brick and steel addition, plain foundation, York Rd. $150,000. Noted Nov. 4.

Bids Desired

Mass., Arlington—GARAGE and REPAIR SHOP—J. Hurwitz, 40 Court St., Boston, taking bids 1 story, 140 x 155 ft., brick and concrete, Massachusetts Ave., here. To exceed $150,000. Miller & Levi, 46 Cornhill, Boston, archts.

Mass., Boston—PLANT—See "Contracts Awarded."

Mass., Cambridge (Boston P. O.) — WORK SHOP—See "Contracts Awarded."

Mass., New Bedford — REPAIR and SERVICE GARAGE — W. Thompson, c/o J. S. McIntyre, archt., Times Bldg., taking bids 1 story, 40 x 110 ft., rein.-con. and steel, plain foundation, 2nd and High Sts. $40,000.

Mass., Roxbury (Boston P. O.) — REPAIR and SERVICE GARAGE — P. K. Finegold, c/o Eisenberg & Feer, archt., 46 Cornhill, Boston, taking bids 1 story, rein.-con. and brick addition, plain foundation, 8 Dunlow St., here. $40,000.

Mass., Saugus—FACTORY—See "Contracts Awarded."

Mass., South Boston (sta. Boston)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Pa., Phila.—SUBSTATIONS—Nov. 23, by Dept. City Transit, H. E. Ehlers, comr., for Substation 4, 1 story and basement, 72 x 89 ft., London St., and Substation 5, 1 story and basement, 65 x 84 ft., Cumberland St., both concrete, steel, stone, brick and terra cotta, for housing synchronous converters Vaux apparatus for furnishing power for operation portion Broad St. Subway, Contr. 145.

Pa., Pittsburgh — MANUFACTURING and PRINTING PLANT — Nov. 22, by Hunting, Davis & Dunnells, archts., Century Bldg., 5 story and basement, 87 x 180 ft., brick, steel and concrete, Forbes St., for Republic Bank Note Co., Forbes St. $350,000.

O., Norwood (Ind. br. Cincinnati) — BODY PLANT and SERVICE—A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., taking bids 2 story, 125 x 425 ft., brick and concrete, here, for Chevrolet Motor Co., Norwood Branch.

Ind., Connersville — FACTORY — See "Contracts Awarded."

Ind., South Bend — LAUNDRY — Slicks Laundry Co. taking bids 2 story, 40 x 120 ft. laundry. $40,000. W. W. Schneider, 120 South Main St., archt.

Ind., Terra Haute—MACHINE SHOPS, GARAGE, etc.—Cole Auto Co., 6th and Walnut St., taking bids 1 story, 85 x 195 ft., brick and steel machine shops, garage, etc. $42,000. Johnson-Miller-Yeager, 30 North 5th St., archts.

Ark., Stuttgart—MACHINE SHOP—See "Contracts Awarded."

Tex., Breckenridge—GASOLINE PLANT—See "Contracts Awarded."

Wash., Seattle — TERMINAL DEPOT and SERVICE—See "Contracts Awarded."

Calif., El Segundo—SUB-STATION—See "Contracts Awarded."

Calif., Sacramento — MACHINE SHOP and WAREHOUSE—Nov. '24, by Supervs. Sacramento Co., H. W. Hall, clk., machine shop and warehouse.

Contracts Awarded

Me., Livermore Falls—BOILER HOUSE—International Paper Co., 100 East 42nd St., New York City, boiler house, here, to Domill Constr. Co., 100 East 42nd St., New York City. Archts. est. $750,000.

Mass., Boston—PLANT—Amer. Steam Gage & Valve Mfg. Co., 80 Federal St., will alter, and construct 3 story, brick addition, Camden St. $40,000. Work will be done by separate contracts. Krokyn, Browne & Rosenstein, 220 Devonshire St., archts.

Mass., Boston—SERVICE GARAGE and REPAIR SHOP—Eliot St. Garage, 7 Eliot St., altering and constructing 2 story rein.-con. addition, 3-15 Eliot St., to G. W. Harvey, 100 Milk St. Archts. est. to exceed $40,000.

Mass., Cambridge (Boston P. O.) — WORK SHOP—G. Brundage, 87 Austin St., will build 2 story, 35 x 90 ft., brick, plain foundation, near Central Sq. $40,000. Work will be done by day labor. Private plans.

Mass., Saugus — FACTORY — Eastern Tool Stamping Co., Ballard St., will build 1 story, rein.-con. addition, plain foundation. Work will be done by separate contracts. Private plans.

Mass., South Boston (sta. Boston)—REPAIR and SERVICE GARAGE — K. De Pietro, 424 Hanover St., Boston, will build 1 story, 145 x 190 ft., rein.-con., brick and steel, plain foundation, 45 West 3rd St., here. $80,000. Work will be done by separate contracts. F. A. Norcross, 46 Cornhill, Boston, archt. Noted Nov. 11.

Mass., Winthrop—REPAIR SHOP—McNeil Bros., 195 Lincoln St., 1 story, rein.-con., plain foundation, Bowdoin St., to Noveti & Tyler, 10 Maple Rd. Archts. est. $40,000.

Mass., Worcester — FACTORY—Johnson Steel & Wire Co., c/o G. S. Johnson, 22 Lakewood Ave., 2 story, 60 x 100 ft., rein.-con., plain foundation, to I. R. Petterson, 139 Belmont St. Archts. est. to exceed $40,000.

Mass., Worcester—ROUND HOUSE, etc.—Boston & Albany R.R. Co., F. B. Freeman, ch. engr., South Sta., Boston, 1 story, brick round house, track extensions, etc., here, to J. F. Fitzgerald Constr. Co., Old South Bldg., Boston. Archts. est. $250,000. Noted Oct. 21.

N. Y., New York—SERVICE STATION and SHOWROOM—Warren Serv. Corp., C. B. Warren, pres., 229 West 64th St., 6 story, 110 x 120 ft., rein.-con., brick and steel, plain foundation, Bway. and 133rd St., to Turner Constr. Co., 244 Madison Ave. Archts. est. $500,000. Noted Nov. 4.

N. J., Camden—PIPE SHED—F. E. Hahn, archt., 7th and Chestnut Sts., Phila., Pa., 1 story and basement, 96 x 100 ft., corrugated iron and steel, plain foundation,

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Buildings—Industrial (Continued)

here, to F. H. Harris Co., 1320 Parrish St., Phila., Pa., for Keystone Supply & Mfg. Co., 927 North 9th St., Phila., Pa. Noted Oct. 28.

N. J., Camden—GARAGE—Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 5 story, and basement, rein.-con. and brick, plain foundation, 7th and Linden Sts., here, to Barclay White & Co., 1713 Sansom St., Phila., Pa., for Bridge & Plaza Parking Garage Co., c/o architects. Noted Apr. 22.

Pa., New Castle — FOUNDRY — Natl. Radiator Co., Johnstown, 180 x 864 ft. radiator foundry, incl. 24 x 130 ft. coke shed, 180 x 356 ft. main foundry, 190 x 432 ft. assembly and shipping room, 2 story, 60 x 60 ft. boiler house, also 2 story, 50 x 60 ft. and 50 x 100 ft. charging floors, all rein.-con., steel, brick and timber, here, to H. K. Ferguson, 4900 Euclid Ave., Cleveland, O. Archts. est. $450,000.

Pa., Phila. — BAKERY — Tasty Baking Co., 2801 Hunting Park Ave., 8 story and basement, 110 x 160 ft., rein.-con., brick and steel addition, plain foundation, to Turner Constr. Co., 1713 Sansom St. Archts. est. $800,000. Noted Oct. 7.

Pa., Phila. — FACTORY — Laurel Soap Mfg. Co., Hope and Palmer Sts., 2 story and basement, 80 x 250 ft., rein.-con. and brick, plain foundation, Tioga and Almond Sts., to J. N. Gill Co., City Center Bldg.

Pa., Phila.—SERVICE and REPAIR—Langshaw Motor Co., 1135 South 58th St., 2 story and basement, 50 x 120 ft., rein.-con. and brick, plain foundation, here, to W. K. Smithwick, Kenmore Ave., Brookline.

Del., New Castle—MANUFACTURING—Delaware Rayon Co., 1 story, 50 x 80 ft., brick and steel manufacturing plant, to Austin Co., Jefferson Bldg., Phila., Pa.

Md., Baltimore—BAKING PLANT—C. B. Somstock, archt., 110 West 40th St., New York City, 3 story, 150 x 200 ft., rein.-con., steel, stone and terra cotta, Edmondson Ave. and Bentalou St., here, to C. L. Stockhausen Co., Gay and Water Sts., for Ward Baking Co., 774 Pacific St., Brooklyn, N. Y. $350,000. Noted Oct. 7.

N. C., Greensboro—MILL—Carolina Silk Products Corp., 2 story and basement, 100 x 200 ft., rein.-con., brick and steel, plain foundation, to W. F. Lotz, Frankfort Ave. and Oxford St., Phila., Pa.

La., Monroe — PAPER MILL — Brown Paper Mill Co., 2 story, 40 x 404 ft. machine and finishing room, 2 story, 36 x 54 ft. digester house 2 story, 54 x 73 ft. wash room, 37 x 54 ft. mud filter room, and 72 x 90 ft. recovery room, to M. C. Tuttle, Co., 862 Park Sq., Boston, Mass. Noted Apr. 29.

O., Lakewood (br. Cleveland) — FACTORY — Natl. Carbon Co., M. W. Allen, mgr., West 117th St. and Madison Ave., Cleveland, 2 story and basement, 70 x 250 ft., brick and rein.-con., Berea Rd., here, to A. A. Lane Constr. Co., 1869 East 55th St., Cleveland. Archts. est. $150,000.

O., Mansfield—FOUNDRY—Barnes Mfg. Co., 1 story, 52 x 185 ft., brick and steel foundry, to Boldt Constr. Co., 1969 East 70th St., Cleveland. Archts. est. $75,000. Noted Nov. 4.

Ind., Connersville—FACTORY—McQuay & Norris, will build brick and steel factory, by day labor. $40,000. Private plans.

Ind., Ft. Wayne—FACTORY—Edmunds Electric Co., general contract 2 story and basement, 40 x 121 ft., rein.-con., brick and steel, 1300 Calhoun St., to Indiana Eng. & Constr. Co., Central Bldg., $40,000.

Ind., Indianapolis — STORAGE—Indianapolis Light & Heat Co., 48 Monument Circle, general contract 1 story, 120 x 200 ft., brick and steel automobile storage building, to R. Berner, Structural Steel Co., 401 South Harding St., $150,000.

Ind., Indianapolis—FOUNDRY—Peerless Fdry. Co., 1853 Ludlow Ave., general contract 1 story and basement, 67 x 182 ft., brick and steel, 1853 Ludlow Ave., to W. A. Sides, 121 Garfield Ave., $40,000.

Ind., Indianapolis — FACTORY — Schwitzer & Cummins Co., 1125 Massachusttts Ave., general contract 1 story, 200 x 300 ft., brick and steel, Brookside Ave., to R. Berner Structural Steel Co., 401 South Harding St., $46,000.

Ind., Peru—LIGHT PLANT—City, H. L. Baltimore, clk., 1 story, 50 x 130 ft. light plant, to C. Clifton, 231 East River St., $40,000.

Wis., Janesville—FACTORY—A. Kahn, archt., Marquette Bldg., Detroit, Mich., 1 story, 160 x 280 ft., brick and steel addition, plain foundation, here, to W. W. Oeflein, Inc., 86 Michigan St., Milwaukee, for Chevrolet Motor Co., 3044 West Grand Blvd., Chicago, Ill. Noted Oct. 28.

Mo., Kansas City — WAREHOUSE — Austin Western Rd. Mchy. Co., 2139 Washington St., general contract 1 and 2 story and basement, 90 x 125 ft., rein.-con. and brick warehouse, to Commercial Building Co., 407 Security Bldg. Engrs. est. $70,000.

Ark., Stuttgart — MACHINE SHOP — Straley Whites Machine Wks., structural steel and construction 1 story, 80 x 140 ft., shop, East 2nd St. and Cotton Belt R.R. tracks, to Arkansas Fdry. Co., foot East 16th St., Little Rock; machinery, to Sidney Machine Tool Co., Sidney, O. Concrete work will be done by day labor.

Tex., Breckenridge—GASOLINE PLANT — Phillips Petroleum Co., Bartlesville, Okla., will build casinghead gasoline plant, 3,500 g.p.d. capacity, here. $300,000. Work will be done by own forces. Private plans.

Tex., Dallas—LAUNDRY—J. W. Westbrook, archt., 407½ North Bishop St., 1 story, 90 x 100 ft., rein.-con., brick and steel, to Churchill-Humphrey Co., Magnolia Bldg., for A. Pancroft, approximately $40,000.

Wash., Seattle — TERMINAL DEPOT and SERVICE — Puget Sound Power & Light Co., A. W. Leonard, pres., Stuart Bldg., will build 2 story and 125 ft. tower, 113 x 140 x 260 ft. interurban and stage terminal depot, 8th St. and Stewart Ave., by day labor. $500,000. Private plans. Noted Apr. 15.

Calif., El Segundo — SUB-STATION — Southern California Edison Co., 306 West 3rd St., Los Angeles, will build rein.-con. sub-station, by day labor and sub-contracts. $140,000. Private plans.

Buildings—Educational, Religious

Proposed Work

Me., Lewiston — CHURCH — St. Mary's Parish, E. Gauthier, pastor, having plans prepared by O'Connell & Shaw, 134 Newbury St., Boston, 1 story and basement, rein.-con. and stone, plain foundation. $150,000.

N. H., Concord—SCHOOL—Sacred Heart Roman Catholic Church, A. A. Sylvester, pastor, plans brick, Pleasant St. $150,000. W. E. Provest, 1061 Elm St., Manchester, archt.

Mass., Fall River — CHURCH — First Church Christ Scientist, T. J. Wells, pres., having preliminary sketches made by R. Dearden, Borden Blk., church, Rock St. To exceed $150,000.

Mass., Fall River — SCHOOL — City, School Dept. having preliminary plans prepared by J. I. Higgins, 44 Borden Bl., brick and steel, Lewis and Slade Sts. $500,000.

Mass., Lynn—SCHOOL—Lynn Hebrew School, A. Rubin, supt., 46 Blossom St., plans 2 story and basement, brick, Blossom St. $150,000. Engineer and architect not selected.

Mass., Rosindale (sta. Boston) — SCHOOL — City, Schoolhouse Dept., City Hall, Boston, having plans prepared by Allbright & Blaney, 308 Boylston St., Boston, Francis Parkman School, 2 story and basement, brick and limestone, plain foundation, here. $160,000.

Mass., Swampscott — CONVENT — St. John Evangelist, G. A. Reardon, pastor, having sketches made by M. Sullivan, 100 Boylston St., Boston, 2 or 3 story and basement, brick, Humphrey St. $150,000 or more.

Mass., Worcester — DORMITORY — Polytechnic Institute, c/o W. C. Appleton, archt., 53 State St., Boston, takes bids about Dec. 1, 3 story and basement, brick and stone, plain foundation Institute Rd. $300,000. Noted Oct. 7.

R. I., Central Falls—CHURCH and RECTORY—St. Mathews Roman Catholic Parish c/o W. A. Fontaine, archt., 285 Main St., Woonsocket, having plans prepared 1 and 2 story and basement, brick and stone, plain foundation, Dexter and Hunt Sts. To exceed $150,000. Noted Mar. 18.

Conn., Willimantic — SCHOOLS — State, F. M. Salmon, state comptroller, Hartford, receiving competitive plans model and practice school, here. $200,000. Engineer and architect not selected.

N. Y., Albany—CHURCH and PARISH HOUSE — First Lutheran Church, J. Frontz, chn., soon takes bids brick, steel and stone, plain foundation, Pine and Lodge Sts. $250,000. Delano & Aldrich, 126 East 26th St., New York City, archts.

N. Y., Brooklyn — CHURCH — Roman Catholic Church of Holy Angels, A. Pendleton, pastor, 4th Ave. and 74th St., having plans prepared by R. J. Reilley, archt. and engr., 12 East 41st St., New York City, brick, steel and stone, plain foundation, 4th Ave. and 74th St. $200,000.

N. Y., Helmuth—NURSES HOME State Hospital Comn., Capitol, Albany, takes bids probably in February nurses home, Gowanda State Hospital, here. S. W. Jones, Albany, state archt. Noted Oct. 28.

N. Y., New York — CHURCH — St. Anthony of Padua Roman Catholic Church, c/o O'Connor, Delaney & Shultz, engrs. and archts., 162 East 37th St., having plans prepared brick, steel and stone, plain foundation, 166th St. and Prospect Ave. $250,000.

N. Y., New York—HIGH SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, DeWitt Clinton High School, 5 story, brick, steel and stone, plain foundation, Mosholu Parkway. $3,000,000.

N. Y., Rochester — DORMITORY, STADIUM and COLLEGE — University of Rochester having plans prepared by Gordon & Kaelber, 311 Alexander St., and C. A. Platt, associated archt., 101 Park Ave., New York City, brick, steel and stone dormitory, stadium and 2 college building, plain foundation, on campus. $1,500,000.

N. Y., Theills—DORMITORIES, etc.—Superintendent Purchase, Capitol, Albany, takes bids probably in February, adult male dormitories, attendants' home and service building at Letchworth Village, here. S. W. Jones, Albany, state archt.

Pa., Altoona — HIGH SCHOOL — Bd. Educ., 6th Ave. and 15th St., W. F. Eberle, pres., having plans prepared by F. E. Hersh & F. J. Shollar, Commerce Bldg., and F. J. Cooper, Inc., associated archts., 172 Tremont St., Boston, Mass., 3 story and basement, 200 x 220 ft., concrete, stone and steel, incl. manual training, and vocational shops, etc., 6th Ave. $700,000. Noted Aug. 12.

Pa., College Hill (Beaver Falls P. O.) — HIGH SCHOOL — Bd. Educ. takes bids about Dec. 15, Junior High School, 2 story and basement. $150,000. W. G. Eckles Co., Lawrence Savings & Trust Bldg., New Castle, archts. Noted July 8.

Pa., Meadville — SCHOOL — Bd. Educ. having plans prepared by W. G. Eckles Co., Lawrence Savings & Trust Bldg., New Castle, and takes bids about Jan. 1, 2 story and basement, brick, terra cotta and steel school. $150,000.

Pa., New Castle—HIGH SCHOOL—Bd. Educ. having plans prepared by W. G. Eckles Co., Lawrence Saving & Trust Bldg., and takes bids about Jan. 1, Senior High School, 2 story and basement, irregular shaped. $500,000.

Miss., Tupelo — HIGH SCHOOL — Bd. Educ. takes bids in January, 3 story, 184 x 206 ft., brick and stone, incl. gymnasium, auditorium, etc. B. Price, 1418-22 Age-Herald Bldg., Birmingham, Ala., archt. Noted Nov. 11.

O., Attica — SCHOOL — Voted $175,000 bonds, centralized school.

O., Cleveland Heights (Warrensville P. O.) — CHURCH, PARISH HOUSE and RECTORY—St. Pauls Episcopal Church, W. R. Breed, pastor, 4108 Euclid Ave., Cleveland, having plans prepared by Walker & Weeks, 1900 Euclid Bldg., Cleveland, 1 and 2 story, brick, steel and concrete, Fairmount Blvd. and Coventry Rd., here. $1,000,000.

O., Shaker Heights (br. Cleveland) — HIGH SCHOOL—Bd. Educ., J. W. Main, clk., having plans prepared by Howell & Thomas, 3868 Carnegie Ave., Cleveland, 3 story and basement, brick, steel and concrete addition to Junior High School, South Woodland and Woodbury Rds. $600,000.

O., Youngstown—HIGH SCHOOL—Bd. Educ. takes bids in spring, Junior and Senior High School, 2 story and basement, incl. auditorium and gymnasium, in Austintown Dist.

Ind., Attica—SCHOOL—School Trustees having plans prepared by Johnson-Miller-Yeager, 30 North 5th St., Terra Haute, 2 story and basement, 200 x 200 ft., rein.-con., brick and steel, incl. gymnasium and auditorium.

Ind., East Chicago—CHURCH—St. Johns Cantius Polish Church, having preliminary plans prepared by K. D. Norris, Calumet Bldg., brick and stone church and parochial school, $200,000.

Ind., Goshen—CHURCH—First Presbyterian Church having preliminary plans prepared by Holmes & Flynn, 8 South Dearborn St., Chicago, Ill., brick and stone church and educational building. $165,000. Noted July 15.

Ind., Mill Creek — HIGH SCHOOL — School Trustees Laporte Co., Laporte, had plans prepared by A. C. Steigely, 1702 Indiana Ave., high school, here. $150,000.

Ind., Muncie—SCHOOL—Eastern Indiana Normal plans rein.-con., brick and steel school. $260,000. L. B. Burris, supt. Engineer and architect not selected.

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Buildings—Educational, Religious (Cont.)

Ind., Osgood—HIGH SCHOOL—School Trustees, Center Twp., Ripley Co., had plans prepared by C. T. Morrisett, Holton, 2 story and basement, 103 x 122 ft., brick and steel high school. $150,000.

Ind., Terra Haute—SCHOOL—Indiana State Normal School having preliminary plans prepared new training school. $200,000. Engineer and architect not selected.

Mich., Detroit—HOME—Jewish Institute for Aged, c/o A. Kahn, archt., 1000 Marquette Bldg., having plans prepared 3 story and basement, 195 x 200 ft., rein.-con., brick and stone, plain foundation, Linwood Ave.

Mich., Grosse Pointe (br. Detroit) — HIGH SCHOOL—Grosse Pointe School Bd., had plans prepared by G. J. Haas, 804 Wormer-Moore Bldg., 2 story and basement, rein.-con., brick and steel, plain foundation, incl. gymnasium and swimming pool, Fisher St. and Grosse Pointe Blvd.

Minn., Brainard — SCHOOL — Defeated $250,000 bonds, school for Bd. Educ. L. F. Hohman, clk. Noted Aug. 5.

Kan., Ottawa — HIGH SCHOOL — Bd. Educ. having plans prepared by Washburn & Stookey, Ottawa, and soon takes bids Junior High School, 3 story and basement, $210,000.

Neb., Omaha — ART MUSEUM — G. Joslyn, 3902 Davenport St., having plans prepared by J. and A. McDonald, Standard Oil Bldg., 2 story and basement, 180 x 486 ft., rein.-con. and stone, 24th and Dodge Sts. $2,500,000.

Tex., Beaumont—SCHOOLS—City c/o Manager, plans rein.-con. brick and stone school, $300,000 bonds, available, F. W. Steinman & Son, 411 San Jacinto Life Bldg., archts.; and rein.-con., brick and tile school, $150,000 bonds, available, Livesay & Wedeman, 607 San Jacinto Life Bldg., archts.

Tex., San Antonio—ADMINISTRATION—Westmoreland College, c/o E. R. Stanford, pres., 1st Methodist Church, South, having plans prepared by Adams & Adams, c/o Builders Exch. Bldg., 2 story and subbasement, West End. $200,00. Noted Sept. 16.

Okla., Tulsa—CHURCH—Rush, Endicott & Rush, archts., 404 New Wright Bldg., and building comn. Boston Ave. Methodist Episcopal Church, take bids about Dec. 15; 4 story, 185 x 217 ft., rein.-con., brick, stone, steel and terra cotta, incl. balcony and auditorium, plain foundation. $500,000. Noted Jan. 28.

Calif., Berkeley—SCHOOLS—State voted $3,000,000 bonds, university buildings, here. Noted Aug. 26.

Calif., Davis—HIGH SCHOOL—Trustees Davis Union High School Dist., soon take bids 1 and 2 story, stucco and brick veneer school. $150,000. Starks & Flanders, Ochsner Bldg., Sacramento, archts. Noted June 3.

Calif., Los Angeles—SCHOOLS—State voted $3,000,000 bonds, buildings for University of Southern California, here.

Calif., Los Angeles—HOME—Jewish Alliance, c/o M. Hunt, archt., Hibernian Bldg., having plans prepared 3 story, 125 x 150 ft. home for girls, rein.-con., Union Ave. and Girard St. $150,000.

Calif., Los Angeles — SCHOOL and JUVENILE HALL—Los Angeles Co. had preliminary plans prepared by C. Nourse, 410 Amer. Bank Bldg., 2 and 1 story, 214 x 240 ft., rein.-con., incl. auditorium, etc., Mission Rd. and Henry St. $150,000.

Calif., Lynwood — SCHOOL — Lugo School Dist. cancelled election $155,000 bonds, school. Noted Oct. 28.

Calif., Oakland—SYNAGOGUE—Congregation Beth Abraham, 153 Athol Ave., plans fireproof, Athol Ave. $150,000.

Calif., Pasadena — CHURCH — Westminster Presbyterian Church having plans prepared by Marston, Van Pelt & Maybury, 25 South Euclid Ave., rein.-con. and stone, with 150 ft. tower, Lake Ave. and Atchison St. $300,000.

Calif., San Andreas—HIGH SCHOOL—Calaveras Union High School Dist. or San Andreas Union High School Dist. voted $150,000 bonds, fireproof high school. Noted Dec. 10.

Calif., San Luis Obispo—COLLEGE—San Luis Obispo High School Bd. having plans prepared by T. C. Kistner & Co., 1121 Detwiler Bldg., Los Angeles, and L. N. Crawford, Santa Maria, remodeling 2 story and basement, 150 x 250 ft. rein.-con. high school into Junior College building incl. 1 story domestic science, and 1 story shower and locker buildings, etc. $383,000. Noted Oct. 28.

B. C., Vancouver—HIGH SCHOOLS—Bd. School Trustees, Hamilton St., having plans prepared by F. A. A. Barrs, c/o owner, 3 story, rein.-con., brick and steel high school, and additions to present high school. $345,000 bond election in December.

Bids Desired

Mass., Boston — LABORATORY — Harvard University, c/o Stevens & Lee, archts., 45 Newbury St., taking bids on revised plans 2 story and basement, brick and stone addition, plain foundation, Forest Hills. $150,000. Noted Sept. 30.

Mass., Cambridge (Boston P. O.) — SCHOOL — Manter Hill School, Inc., Holyoke St., taking new bids 3 story and basement, brick and stone, plain foundation, Holyoke and Mt. Auburn Sts. To exceed $150,000. Former bids rejected. Adden & Parker, 177 State St., Boston, archts. Noted Nov. 4.

Mass., Holyoke—SCHOOL—City, School Comn. taking bids 3 and 4 story and basement, 80 x 275 ft., brick and stone, plain foundation, Maple and Cabot Sts. $400,000. G. P. B. Alderman, 316 High St., archt. Noted Oct. 7.

Mass., Hyde Park (br. Boston) — SCHOOL—Dec. 1, by Schoolhouse Dept., Boston, 2 story and basement, brick and limestone, plain foundation, Sunnyside St., Henry Drew Dist., here. $165,000. Private plans.

Mass., West Roxbury (Boston P. O.) — SCHOOL—Nov. 24, by Schoolhouse Dept., Boston, 1 story and basement, brick and limestone, plain foundation, Robert Gould Shaw Dist., here. $150,000. Allbright & Blaney, 308 Boylston St., Boston, archts.

N. Y., White Plains—SCHOOL—Nov. 22, by Bd. Educ., 2 story, 150 x 200 ft., brick, steel and stone, plain foundation. $200,000. Starrett & Van Vleck, 393 7th Ave., New York City, archts.

N. J., Union City—SCHOOL—Nov. 26, by Bd. Educ., brick, steel and stone, plain foundation. Former bids rejected., D. Lugosch, Bline Ave., archt. Noted Oct. 14.

Pa., Wilkinsburg—SCHOOL—Nov. 22, by Bd. Educ., W. W. Williams, archt., and Brazull & Anderson, associated archts., Freehold Bldg., 2 story and basement, irregular shaped, brick and steel, Lincoln Rd. $200,000.

Ga., Macon — CHURCH — Nov. 29, by Building Com. Mulberry Methodist Episcopal Church, 2 story and basement, limestone and tile, incl. auditorium, class rooms, etc. $250,000. Dunwody & Oliphant, 460 Bway., archts.

Mich., Detroit—HOME—A. Kahn, archt., 1000 Marquette Bldg., taking bids and opens same about Nov. 22, 3 story and basement, 195 x 200 ft., rein.-con., brick and stone, plain foundation, Linwood Ave., for Jewish Institute for Aged, c/o architect. $200,000.

Mich., Kalamazoo—SCIENCE—Kalamazoo College, A. Hoben, pres., taking bids 3 story and basement, 62 x 116 ft., rein.-con., brick and steel, plain foundation here Warren Holmes-Powers Co., 112 East Allegan St., Lansing, archts.

Wash., Seattle — PHYSICAL EDUCATIONAL—Dec. 4, by Bd. Regents, University of Washington, 2 story and basement, approximately 140 x 225 ft., rein.-con., brick and steel, incl. gymnasium and lockers, etc., on campus. $225,000. Bebb & Gould, Hoge Bldg., archts.

Calif., San Francisco—SCIENCE—Nov. 30, by State Dept. Pub. Wks. (Div. of Architecture), 2 story, rein.-con., Buchanan and Haight Sts., for State Teachers College. $160,000. G. B. McDougall, Forum Bldg., Sacramento, state archt. Noted Dec. 31.

Calif., Santa Barbara—HIGH SCHOOL—Bd. Educ. taking bids Junior High School, 2 story, rein.-con., incl. auditorium, for Santa Barbara Junior High School Dist. $300,000 or more. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Aug. 27.

Calif., Stockton—NURSES HOME—Nov. 29, by E. D. Graham, clk. San Joaquin Co., 2 story and basement, brick nurses home $160,000. Davis-Pearce Co., Delta Bldg., Stockton, archts. Noted Oct. 7.

Bids Received

N. Y., New York—SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 89, Mace Ave., here, from Psaty & Fuhrman, Inc., 153 West 72nd St.; $345,710; and heating, from D. J. Rice, Inc., 606 1st Ave., $49,723, for Bd. Educ., 500 Park Ave. Noted Oct. 28.

N. Y., Syracuse—SCHOOLS—Bd. Contr. & Supply, City Hall, Nov. 8, 1st and 13th Ward Schools, 2 story and basement, 105 x 250 ft., brick and rein.-con., plain foundations, from Jenks & Venton, S. A. & K. Bldg., $514,570; plumbing, vacuum cleaning systems, etc., from P. C. Shane, 482 West Castle St., $51,900. Noted Nov. 4.

Tenn., Nashville—DORMITORY, etc.—State Bd. Educ., dormitory, from J. B. Regan & Co., 117-15th Ave. N., $128,000; science hall, from G. B. Howard & Co., foot Shelby Ave., $91,000; and library, from V. L. Nicholson, 102 West Church St., Knoxville, $66,000, all for Agricultural & Industrial Normal School. Noted Oct. 28.

Calif., Redding — HIGH SCHOOL — Trustees Shasta Union High School Dist., general contract 2 story, rein.-con. high school, from C. L. Weld, 185 Stevenson St., San Francisco, $278,500; boilers for heating and ventilating, from Scott Plumbing & Electric Co., 1900 M St., Sacramento, $32,032 to $32,214 according to type of same. Noted Oct. 28.

Contracts Awarded

Me., Portland—GYMNASIUM and HALL—Church of Immaculate Conception, F. Johnson, pastor, 1 and 2 story and basement, 95 x 110 ft., brick and stone, plain

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Buildings—Educational, Religious (Cont.)

foundation, Franklin and Congress Sts., to F. W. Cunningham & Sons, 181 State St. Archts. est. $150,000. Noted Oct. 28.

Mass., Chicopee—SCHOOL—Roman Catholic Diocese of Springfield, St. Rose Parish, A. Lamothe, pastor, 2 story and basement, brick and stone, plain foundation, Gratton St., to F. P. Morey, 101 Somerset St., Springfield. Archts. est. $150,000. Noted Nov. 4.

Mass., Everett (br. Boston)—SCHOOL and CONVENT—St. Josephs French Roman Catholic Church, H. J. Gilion, pastor, 2 story and basement, brick, plain foundation, Buckman St., to Z. A. Houle, 53 Pleasant St., Lowell. Archts. est. $150,000. Noted Sept. 16.

Mass., Worcester — CONVENT — Notre Dame Parish, L. D. Grenier, pastor, 3 story and basement, brick and stone, plain foundation, Orange St., to J. J. Roberts, 4 Wall St. Archts. est. $150,000 or more.

N. Y., New York—COLLEGE—E. G. Parrott, archt., 1211 Arch St., Phila., Pa., 2 story and basement, 49 x 140 ft., rein.-con., steel and stone, plain foundation, here, to Solvay Whitcomb Co., 105 West 40th St., for Fordham University, Fordam Rd. Noted Oct. 28.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., P. S. 89, Mace Ave., to Psaty & Fuhrman, Inc., 153 West 72nd St., $367,710; and heating, to D. J. Rice, Inc., 606 1st Ave., $49,723. Noted Oct. 28.

Pa., Pittsburgh—CONVENT—St. Pauls Catholic Parish, 5th Ave. and Craig St., general contract 3 story and basement, 34 x 58 ft. convent, Craig St., to Duquesne Constr. Co., Cypress and Aspen Sts. Archts. est. $250,000. Noted Oct. 28.

Pa., Pittsburgh — SCHOOL — Bd. Educ., Fulton Bldg., Herron Hill High School, general contract 2 and 3 story and basement, irregular shaped, brick, stone and steel, Ossipee St., to E. H. Canon, Jenkins Arcade. $739,000. Noted Nov. 11.

D. C., Wash. — CHURCH — Corbusier, Linski & Foster, archts., B. F. Keith Bldg., Cleveland, O., 1 story, 40 x 130 ft., steel and stone church, here, to A. L. Smith, 2525 Pennsylvania Ave. N. W., for Grace Evangelical Church. Archts. est. $200,000. Noted Oct. 21.

Ind., Dover (mail Lebanon)—SCHOOL—School Trustees Boone Co., general contract brick and steel township school, to Hege & Co., Columbus; steel, to Central States Bridge & Structural Co., 601 Beecher St., Indianapolis. Archts. est. $150,000.

Wis., Milwaukee — CONTINUATION SCHOOL—A. O. Muehl, secy. Bd. Industrial Educ., 7th and Prairie Sts., concrete work for 6 story and basement, 143 x 268 ft., rein.-con. and brick, plain foundation, 6th and State Sts., to T. Stark & Co., 130 Muskego Ave. $263,900. Noted Nov. 11.

Wis., Racine — HIGH SCHOOL — Bd. Educ., A. H. Schraeder, secy., general contract (sect. A) 2 and 3 story and basement, rein.-con., brick and tile, plain foundation, Southside, to Jacobson Bros., 410 Columbia Bldg., Duluth, Minn., $540,750. Noted Oct. 28.

Kan., Wichita — MEDICAL ARTS — C. Fisher, 4th Natl. Bank Bldg., 10 story and basement, 60 x 140 ft., rein.-con., brick and stone, plain foundation, to Hughes & O'Rourke Constr. Co., 1713½ Live Oak St., Dallas, Tex. Archts. est. $700,000.

Mo., Parkville—DORMITORY—Park College, c/o W. Hawley, pres., general contract 3 story and part basement, 42 x 142 ft., rein.-con., brick and stone dormitory, to H. H. Fox, 3101 East 30th St., Kansas City. Archts. est. $175,000. Noted Sept. 16.

Ore., Portland—SCHOOL—School Dist., 7th and Clackamas Sts., 2 story, 176 x 187 ft., rein.-con. and brick, Errol Heights, to Robertson, Hay & Wallace, Worcester Bldg., $162,321. Noted Oct. 28

Calif., Burbank — CHURCH — First Christian Church, brick and stone, incl. Sunday school classrooms, 6th St., to Hunt Bros., 224 North Olive St., approximately $150,650.

Que., Hull—LABORATORY—Dept. Pub. Wks., Ottawa, Ont., constructing laboratory for Research Service, here, to A. I. Garvock, Regent Theatre Bldg., Ottawa, Ont., $91,000.

Federal Government Work

Proposed Work

California — Road — U. S. Bureau Pub. Roads, Wash., D. C., plans constructing San Jacinto Natl. Forest Highway from west boundary near Hemet to Idyllwild, via Keen Camp, Riverside Co., here.

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Calif., San Diego — Storage and Shop —Spec. 5202—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans storage and shop buildings at Naval Operating (Destroyer Base), here.

Bids Desired

Me., Caribou—Post Office—Nov. 30, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here; adv. E. N.-R. Nov. 18.

Mass., Southbridge—Post Office—Dec. 3, by Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story, brick and stone, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 18.

Mass., Newburyport—Post Office—Dec. 2, by Treas. Dept., at office Supervising Archt., Wash., D. C., 1 story and basement post office, here. J. A. Wetmore, acting superv. archt.

Conn., Branford—Post Office—Dec. 7, by Treas. Dept. at office Supervising Archt., Wash., D. C., U. S. Post Office, here.

Md., Edgewood—Dwellings—Dec. 10, by Constructing Quartermaster, Building 81, Edgewood Arsenal, 5 to 10 dwellings, here; adv. E. N.-R. Nov. 18.

D. C., Anacostia — Storehouse — Spec. 5280—Dec. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., temporary storehouse, here. Noted Nov. 11.

D. C., Wash.—Bolier House, etc.—Nov. 24, by Constructing Quartermaster, Munitions Bldg., equipment and material for construction boiler house, heating system, etc., in machine shop, at Bolling Field, here.

D. C., Wash.—Pumping Units—Dec. 11, by U. S. Engineer Office, 1068 Navy Bldg., installing and testing 2 motor driven pumping units for Dist. of Columbia water supply project; adv. E. N.-R. Nov. 18.

Ala., Birmingham—Additional Story—Dec. 7, by Treas. Dept., at office Supervising Archt., Wash., D. C., additional story to U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 18.

O., Dayton—Pump House—Nov. 23, at office Constructing Quartermaster, Wright Field, pump house, with necessary machinery and equipment, at Wright Field, here.

Ind., Mishawaka—Enlarging—Dec. 3, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Nov. 18.

Wis., Janesville—Remodeling—Dec. 1, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here. Noted Sept. 30.

Tex., Port Aransas—Repairs—Dec. 8, by U. S. Engineer Office, Galveston, repairing jetties and submerged spurs, here; adv. E. N.-R. Nov. 18.

Colo., Denver—Gate Hoists, etc.—Nov. 26, by Bureau Reclamation, Dept. Interior, E. Mead, comr., geared gate hoists and cast iron gates for Grand Valley Project, here, and Klamath Project, Oregon-California.

Colo., Denver—Switching Towers—Nov. 29, by Bureau Reclamation, Dept. Interior, E. Mead, comr., 2 switching towers for Guernsey Power Plant, North Platte Project, Nebraska-Wyoming; and the Minidoka Power Plant, Minidoka Project, Idaho.

Wash., Easton—Canal—Dec. 28, at office Bureau Reclamation, Ellensburg, E. Mead, comr., constructing Kittitas Main Canal, Div. 2, near here; adv. E. N.-R. Nov. 18.

Calif., Mare Island—Boilers—Spec. 5288—Nov. 24, by Bureau Yards & Docks, Navy Dept., Wash., D. C., four 300 hp. watertube boilers with brick settings, oil burning equipment and smoke flue between boilers and chimney, at Navy Yard Hospital, here. L. E. Gregory, ch. of Bureau. Noted Oct. 21.

T. H., Hilo—Dredging—Dec. 1, by U. S. Engineer Office, 401 Custom House, San Francisco, Calif., dredging in Hilo Harbor, here; adv. E. N.-R. Nov. 18.

Bids Received

Mass., Northampton — Continued Treatment Building, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Nov. 6, Continued Treatment Building 6, and attendants' quarters additions, from D. A. Sullivan & Son, Northampton, $189,931; omitting attendants' quarters addition, $74,128 (300 days). Noted Oct. 14.

Calif., Pasadena — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Nov. 9, remodeling and enlarging U. S. Post Office, here, from A. M. Lundberg, 208 North Bway., St. Louis, Mo., $19,900. Noted Oct. 21.

Contracts Awarded

N. J., Newark—Dredging—U. S. Engineer Office, 2nd Division, Army Bldg., New York City, dredging in Newark Bay, here, to Atlantic Gulf & Pacific Co., 21 Park Row, New York City, $38,295. Noted Nov. 4.

N. C., Cape Fear (mail Lillington)—Quarantine Station, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., quarantine station, wharf and gangway, here, to D. St. George, Southport, $7,820. Noted Nov. 4.

FEDERAL POWER COMMISSION

Application for License and Permits

Applications

748—Mono Mining Co. of Nevada, Sweetwater, Nev.—Wants license to construct plant on Green Creek, Mono Co., Calif. to control water of 3 lakes for storage.

749—Western States Utilities Co., Malad City, Idaho—Wants license partly constructed project in Birch Creek, Bannock and Twin Falls Counties, Pocatello Natl. Forest.

750—E. G. Galt, 600 Stockton St., San Francisco, Calif.—Wants license about 40 hp. plant in Eau Claire Creek, El Dorado Co.

751—Eastern Oregon Light & Power Co., Baker, Ore.—Wants preliminary permit power project in Grande Ronde River, Wallowa Co., within Umatilla Natl. Forest.

752 — Carolina Power & Light Co., Raleigh, N. C.—Wants license transmission line in Transylvania Co. within Pisgah Natl. Forest.

Unclassified

Proposed Work

High Pressure Steam Lines—Ogdensburg, N. Y.—See "Buildings—Commercial."

Swimming Pool, etc. — Spring Lake (Spring Lake Beach P. O.), **N. J.**—Mayor and City Council plan swimming pool, esplanade, bath house, etc. on beach front. E. H. Schmieder, Spring Lake, engr.

Boardwalk — Miami Beach, Fla. — City will not construct boardwalk. Project postponed indefinitely. Noted Sept. 9.

Foundation — Cleveland, O. — Meade & Hamilton, archts., Bulkley Bldg., soon lets contract foundation for 12 story and basement, 120 x 220 ft., brick and rein.-con., East 107th St. and Carnegie Ave., for Cleveland Club, c/o G. A. Rutherford, chn. building com., 2725 Prospect Ave. Archts. total est. $2,000,000.

Fire Alarm Extensions — Toledo, O. — Voted $90,000 bonds, police and fire alarm extensions.

Swimming Pool—Grosse Pointe (br. Detroit), **Mich.**—See "Buildings—Educational, Religious."

Charger and Switching—Grand Falls (Joplin P. O.) **Mo.**—Empire Dist. Electric Co., Joplin, plans installing central frequency charger and switching substation, here. $200,000. Private plans.

Golf Course — St. Louis, Mo. — See "Buildings—Commercial."

Swimming Pool——Little Rock, Ark.—See "Buildings—Commercial."

Gas System — Brownsville, Tex. — Rio Grande Valley Gas Co. plans natural gas system. Work may be done by day labor. $40,000. Private plans.

Gas Distributing System—Edna, Tex.—City, c/o Mayor, making preliminary plans natural gas distributing system, etc. $75,000.

Sub-Division Improvements—San Antonio, Tex.—H. C. Thorman, 125 East Travis St., making plans sub-division north side, known as Park Hill Estates, incl. paving $75,000, water distributing system $45,000, sewerage system $70,000, and natural gas distributing system $60,000. Private plans.

Transmission Line—Oklahoma and Arkansas—Southwest Light & Power Co., McAllister, plans high power transmission lines from Watts, Okla. and Lincoln, Ark., to Westville, Okla. $200,000. Private plans.

Gas Pipe Line—California—Midway Gas Co., Oildale, making surveys for 6 in. black welded steel pipe line between Delano and Rio Bravo. $240,000.

Lighting System—Fresno, Calif.—Plans ornamental lighting system on portions San Benito and C Sts., etc. To exceed $25,000. A. M. Jensen, city engr.

Unclassified (Continued)

Lighting System—Los Angeles, Calif.—Plans ornamental street lighting system on portions Lincoln Blvd., Rialto and Euclid Aves., etc. To exceed $25,000.

Subway—Los Angeles, Calif.—City plans pedestrian subway at Ocean Blvd. and Pine Ave. $80,000. City and Jergins Trust Co., Los Angeles, will finance project.

Bulkhead—Newport Beach, Calif.—Made plans concrete bulkhead on Balboa Island. $50,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Natatorium—Newport Beach, Calif.—Defeated $175,000 bonds, natatorium. Noted Aug. 12.

Gas Mains—Salinas, Calif.—See "Waterworks."

Stadium — San Francisco, Calif. — City and San Francisco Co. (Playground Comn.) having preliminary plans prepared by B. Maybeck, archt., 163 Sutter St., stadium, 150,000 seating capacity, incl. removal 3,500,000 cu.yd. or more rock in rock quarry, 26th and Douglas Sts. M. M. O'Shaughnessy, city engr.

Lighting System—San Francisco, Calif.—City and San Francisco Co. making plans ornamental lighting system on Mission St. between Embarcadero and County line. To exceed $25,000 . M. M. O'Shaughnessy, city engr.

Lighting System—San Jacinto, Calif.—Plans ornamental lighting system on portions Central and San Jacinto Aves., etc. To exceed $25,000.

Golf Links — Santa Rosa, Calif. — See "Buildings—Commercial."

Wharfs and Sheds — Victoria, B. C. — Canadian Pacific Ry., Windsor Sta., Montreal, plans wharfs and sheds, timber on wood piles, here. J. M. R. Fairbairn, ch. engr.

Bids Desired

Memorial — New Britain, Conn. — City, Building Com., A. G. Kimball, chn., taking bids world war memorial, granite, bronze and limestone on concrete, Walnut Hill Park. $160,000. H. Van Buren Magonigle, 101 Park Ave., New York City, N. Y., engr.

Subway—Buffalo, N. Y.—Nov. 23, at office Dept. Parks & Public Buildings, Div. of Parks, City and County Hall, J. P. Moore, comr., subway at Front Ave. and Rhode Island St. in connection with "Peace" Bridge Terminal.

Refrigerating Plant—Middletown, N. Y.—Dec. 8, by State Hospital Comn., Capitol, Albany, refrigerating plant at Middletown State Hospital, here. S. W. Jones, Albany, state archt. Adv. Nov. 18. Noted Oct. 28.

Electrical Work—New York, N. Y.—Nov. 23, by B. S. Coler, comr. Dept. Pub. Welfare, completing Contr. 4, electrical work (not incl. lighting fixtures), for Bronx General Hospital, East 167th St. and Walton Ave., Bronx Boro.

Swimming Tank — Detroit, Mich. — See "Buildings—Commercial."

Grain Drying Plant—Milwaukee, Wis.—Chicago & Northwestern R.R. Co., W. J. Towne, ch. engr., Chicago, Ill., taking bids drying plant (grain), Lake St., here. $25,000. . Donahue-Stratton Co., 85 Michigan St., lessee.

Swimming Pool—Independence, Kan.—See "Contracts Awarded."

Lighting System—Oakland, Calif.—Dec. 9, by E. K. Sturgis, city clk. ornamental street lighting system on portions Bway. and 7th Sts., etc. To exceed $100,000. Noted Oct. 28.

Wharf—Nassau, Bahamas—Dec. 15, by Government of the Bahamas, Hon. Colonial Secretary, 600 ft. steel, sheet piling and sand filled island wharf, 100 ft., connected with shore by 200 steel bridge, 50 ft.; adv. E. N.-R. Nov. 18.

Bids Received

Heating and Wiring—Racine, Wis.—Bd. Educ., A. H. Schaefer, secy., Nov. 4, heating system for 2 and 3 story and basement, brick, tile and concrete school, Southside, from A. B. Donaldson, 1317 East Lake St., Minneapolis, Minn., $68,920; and electric wiring, from Reliance Electric Co., 1117 Vliet St., Milwaukee, $27,300. Noted Nov. 4 under "Buildings—Educational, Religious."

Pier—Oakland, Calif.—E. K. Sturgis, city clk., Nov. 4, 600 ft. rein.-con. pier, 419 ft., concrete piles, etc., Grove St., from Clinton Constr. Co. of California, 923 Folsom St., San Francisco, $514,960. Noted Oct. 28.

Contracts Awarded

Swimming Pool—Lawrence, Mass.—City, concrete swimming pool, Wolcott Ave., to W. J. Delaney, 283 Essex St., $53,570.

ROAD WORK—CORAL GABLES, FLA.

Bids were opened by city for grading, curbing, etc., streets in Highway Impvt. Dists. H-2 to H-21, and sidewalks in Impvt. Dists. SK-1 to SK-6, from (A) W. T. Price, Inc., Coral Gables, (awarded contract); (B) J. J. Quinn Co., Miami; (C) Seminole Fruit & Land Co., Miami; (D) Morgan-Hill Paving Co.; Robert G. Lassiter & Co., Miami, $1,494,232; Brayer Bros., $1,511,106. The unit bids of the lowest three and highest bidder are as follows:

	A	B	C	D
17.58 acres clearing	$100.00	$90.00	$100.00	$125.00
60.8 acres scarifying	250.00	200.00	100.00	175.00
51,207 cu.yd. grading and filling	1.00	1.00	1.00	1.25
473,300 sq.yd. scarifying and reshaping	.10	.15	.09	.15
695,500 sq.yd. rock base	.50	.60	.53	.62
4,477 sq.yd. extra rock base	3.00	2.50	2.25	2.50
120,955 lin.ft. curbing	.40	.35	.40	.35
1,206,788 sq.yd. oiling	.11	.10	.12	.12
4,328,610 sq.ft. sidewalk	.17	.17	.185	.175
Extended totals	$1,393,668	$1,463,313	$1,474,319	$1,534,898

Playground—Brooklyn, N. Y.—Bd. Educ., 500 Park Ave., excavating, paving, etc., playground at P. S. 109, Dumont Ave. and Powell St., here, to A. Di Geronimo, 1974 East 1st St., $18,270. Noted Nov. 11.

Playground — New York, N. Y. — Bd. Educ., 500 Park Ave., excavating, sidewalks, curbing, etc., playground adjoining P. S. 50, East 20th St., Manhattan Boro, and P. S. 58, Washington Ave. and East 176th St., Bronx Boro, to A. Di Geronimo, 1974 East 1st St., Brooklyn, $13,370 and $9,340 respectively. Noted Nov. 11.

Foundation—Phila., Pa.—See "Buildings—Industrial under Proposed Work."

Wading Pool, etc.—Yonkers, N. Y.—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, constructing wading pool, bandstand, wall seat and drinking foundation, at Tibbetts Brook Park, here, to Johnson & Miller, South Bway. and Bright Pl., $21,000. Noted Oct. 28.

Underground Crossing—Portsmouth, O.—Norfolk & Western R.R. Co., W. P. Wiltsee, ch. engr., Norfolk, Va., constructing underground crossing, 20,000 cu.yd. excav., 3,000 cu.yd. concrete, to Morris, Gray & Hunter, Roanoke, Va., $109,178. Noted Aug. 26.

Arena—Detroit, Mich.—Detroit Hockey Club, 1 story, 248 x 342 ft., rein.-con., brick and steel, plain foundation, Grand River and McGraw Aves., to Walbridge Aldinger Co., 2356 Penobscot Bldg. Archts. est. $1,200,000.

Gas Mains—Detroit, Mich.—Detroit City Gas Co., Clifford St., 41,040 ft. 4 in. c.i. gas mains in West Warren Dist., to J. A. McDace Co., 2016 Webb Ave., $25,000. Owner furnishes pipe.

Coal Chute—Denison, Ia.—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., 200 ton capacity rein.-con. coal chute, here, to Roberts & Schaefer, Wrigley Bldg., Chicago, Ill. Engrs. est. $40,000.

Foundation, etc.—Sioux City, Ia.—See "Buildings — Commercial under Bids Desired."

Swimming Pool—Independence, Kan.—City will build rein.-con. swimming pool, by day labor. $30,000. G. H. Hackmaster, Independence, archt.

Stadium—St. Louis, Mo.—Bd. Educ., 911 Locust St., general contract rein.-con. stadium, 15,000 seating capacity, on 325 x 600 ft. site, to Murch Bros. Constr. Co., Ry. Exch. Bldg., $384,512. Noted Nov. 11.

Bulkhead — Bellingham, Wash. — See "Streets and Roads."

Lighting System—Long Beach, Calif.—City Council, ornamental street lighting system on 7th St., to F. Ziebarth, Farmers & Merchants Bank Bldg., $55,550. Noted Nov. 11.

Swimming Pool—Los Angeles, Calif.—See "Buildings—Commercial."

Lighting System—Los Angeles, Calif.—City, ornamental street lighting system on Vermont Ave. between Slauson and Manchester Aves., to Newbery Electric Co., 726 South Oliver St., $76,888.

Conduits—Pasadena, Calif.—City, underground conduits in Green St., etc., to Underground Constr. Co., 517 South Bway., Los Angeles, $30,688.

Baseball Park—San Francisco, Calif.—San Francisco Baseball Club, 15th and Valencia Sts., grading, for baseball park, 16th and Bryant Sts., to Lindgren-Swinerton, Inc., Standard Oil Bldg., $30,000. Noted Jan. 29.

Lighting System—Santa Barbara, Calif.—Ornamental lighting system on Chapala St., to Mission Electric Co., Santa Barbara, $31,318. Former contract rescinded. Noted Nov. 11.

Crib Work—Cap de la Madeleine, Que.—St. Maurice Valley Corp., crib work, to C. Page, Three Rivers Engrs. est. $100,000.

Swimming Pool—Vancouver, B. C.—See "Buildings—Commercial."

Materials

Bids Desired

Frogs, etc. — Phila., Pa. — Nov. 22, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., frogs, railroad switch points, crossings, etc., Contr. 65. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Frogs, Switch Points, etc.—Phila., Pa.—Nov. 29, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., frogs, railroad crossing, switches, switch points, turnouts, etc., Contr. 67-1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Girder Rail—Crossing—Phila., Pa.—Nov. 26, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., girder rail-crossings, Contr. 66, 1926. A. C. Shand, Broad St. Sta. ch. engr. railroad.

Structural Steel, etc.—Phila., Pa.—Nov. 22, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., structural steel for bridges, and steel pole supports, Contr. 64. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Creosoted Wood Blocks—Chicago, Ill.—Nov. 22, by Dept. Pub. Wks., Room 406, City Hall, approximately 2,000 sq.yd. creosoted wood blocks, f.o.b. Municipal Plant, at 3150 South Sacramento Ave. A. A. Sprague, comr.

Hydrant Valves—Chicago, Ill.—Nov. 22, by Dept. Pub. Wks., Room 406, City Hall, approximately 2,000 leather valves for 4½ in. fire hydrants, at Pipe Yard B, 3150 South Sacramento Ave. A. A. Sprague, comr.

Bridge Timber—Audubon, Ia.—Dec. 7, at office Auditor Audubon Co., bridge timber and piling.

Lumber, etc.—Indianola, Ia.—Nov. 30, at office Auditor Warren Co., 362,560 ft. stand sawed fir lumber and 6,420 ft. cypress piling. R. E. Boyle, Indianola, co. engr.

Cement — Sacramento, Calif. — State Purch. Dept., taking bids 1 year supply Portland cement, to exceed 150,000 bbls.

Track Materials—San Francisco, Calif.—Nov. 24, by Bd. Pub. Wks., W. J. Fitzgerald, secy., track materials for municipal railway. $100,000.

Pipe—Montreal, Que.—City in market 400 tons c.i. pipe. L. O. Pion, purch. agt.

Timber—Montreal, Que.—Nov. 22, by P. E. Trihey, secy. Harbor Comn., for B. C. fir, pitch pine, oak, round white pine, and round white spruce timber.

Cable—Wellington, New Zealand—Dec. 14, by Secretary Supplies & Tenders Com., Dept. Pub. Wks., 2,050 ft. 0.075 sq.in. section, and 5,059 ft. 0.15 sq.in. section paper insulated lead cable and jute served single core cable, also 18 terminal end boxes and 2 cable junction boxes, complete.

Contracts Awarded

Granite Blocks—St. George, N. Y.—J. A. Lynch, pres. Richmond Boro, Boro Hall, 7,500 standard 5 in. granite blocks, to Terminal Supply Co., 247 Park Ave., New York City, $1,068; also 500 bbl. tar for patching and 250 for cold application, to Barrett Co., 40 Rector St., New York City, $4,095. Noted Nov. 11.

Portland Cement—St. George, N. Y.—J. A. Lynch, pres. Richmond Boro, Boro Hall, portland cement, stone, sand, etc., to Schneider Schiel Corp., Port Richmond, $1,574. Noted Nov. 11.

See proposal advertising on page 146

Constr. News page 339

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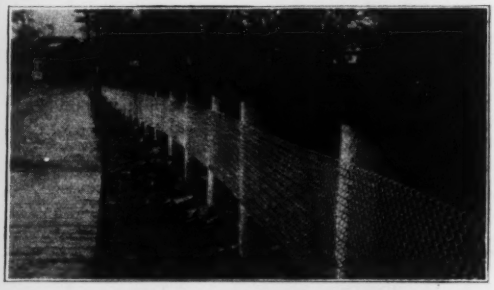
In the accident pictured above, the wooden guard rail pierced the car—and cost the driver his life.

Such occurrences have been all too frequent. They are causing road commissioners and engineers to do away with wood as well as other substitutes for safety and to specify Hi-Way Guard—through which a car has never left the road.



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[PATENT PENDING]

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